









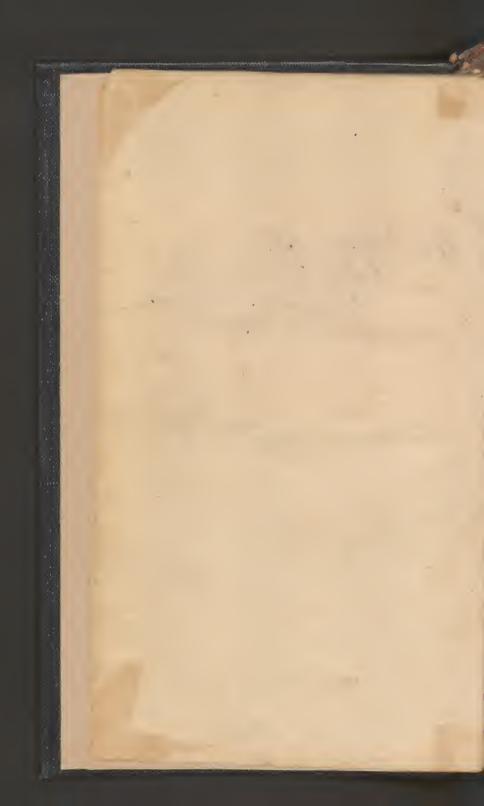




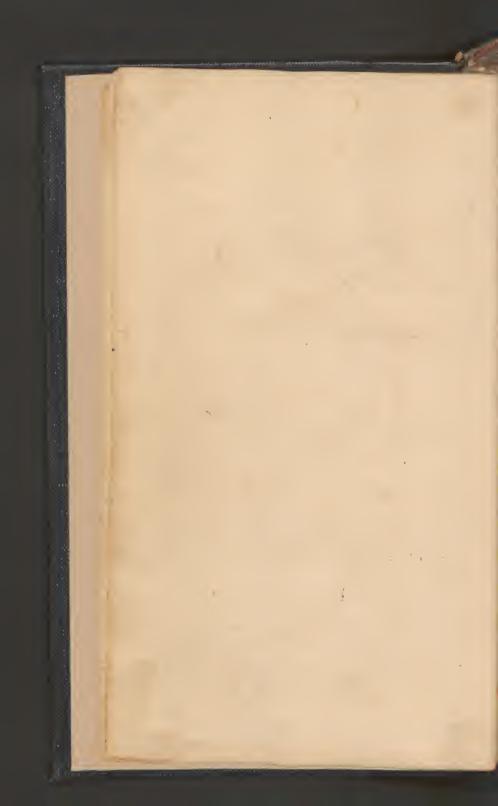
YOUNG (THOS)

LECTURES ON MIDWIFERY

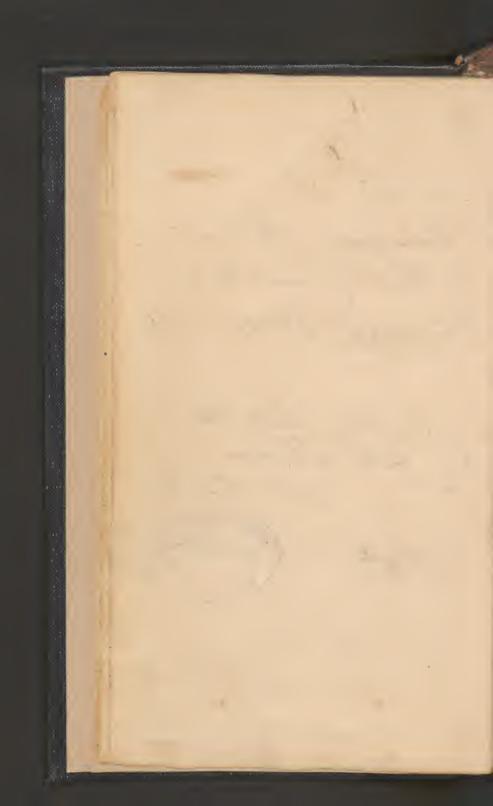
EDINBURGH 1771.







Midwifery delivered bes Tho & Morney M. D. Edinburgh 14th Nov: 1771 bring forthe Children Generii Ch. 3, v. 16 In Mayte



ce Midnistery\_ The word Medwefery is taken in different senses The one is limited I confined I the other more extensive, the first takes in only the deliver. ing of Pregnant Momen, the second not on Ig includes this operation but also all the Deseases intesent to unimpregnated women as well as those in Pregnancy of after Delivery de sad Experience has shown the attility of taking the word in that Extensive sense as many lives have been saved by it which would otherwise, have perished, the protesmateral Sabors & flood ings are sufficient proofs of what I say as in These bases a small touch of the hand will Deliver the Mother & Child who would otherwise have perished. This is a Moderen Improvement as Mulin wents knew nothing of it it is only within These 30 or 40 years that Midwelery has been bultivated. I shall enquine into 1 The Reasons of the Neglect of this Beneficial study until within these few years 2 The methods used in the various Thingdoms

for the Improvement of this Riseful ant: I The Reasons of the neglect of this Beneficial Study untill within these few years. Mowefery was mostly in the hands of Women oraccount of the projudices of the Homeninth early times of being delivered by any best those of their own Sex & those midwines knew not the anatomy of the parts of very often they wer the most Illeterate of their own Sex d'all the knowledge of Midwifery May had was being delivered of two or three Children themselves a sometimes they even had not the knowledge several liges passed along in this manner Ino wonder then that midewefery should remained uncultivated in these early leges as these midwines could not Deliver in Onofernatural Berths nor in the Natural post. tion if the Chils remained long in the papage They therefore applied to the min for assistance & These weene Surgeons as it could not be done without Instruments a they had a knowledge of the Structure of the human Hody do My found more use for Instru = ments in miswefery as they made improvments. I said these midwines made no im: provments a could not have been expected They had no knowledge of Physic, for a Tudge = ment of Physic is enseperably connected with medewifery in order to know the manage

head should be joined to the Dexterety of the hand sout as the Surgeons were never called in but when the Labor was Defleult which was but seldom & was not Lucrativo it was not worth Their while to make it a particular study a by these means midweling remained uncultiwater. About the orled le of the last Century midwefery was improved in France & the Surgeons were more rised of the Thing exceled on Hospital for the deleviring of Morhen but the Improvements were still very small as few shomen would go into it & Newas consider. - ed only as a part of Surgery & no one can study several Sciences & be so perfect of them as a sperson who studies only one ) is of that particular study & this is not confined to Physic but the same happens in mechanics Thus Trunture to say that if the whole works of a watch was made by the same person that it would not be made so exact non go so well but when the works are deveded among eigh: teen or twenty people, it is made with greater tractness; but in Physic this holds good with regard to practice anot to Study, thus if aperson should study one particular branch & divide his practice of another study several Branches but practise only one I say the last will know more of the Branch he practised then the former the one he steed cod, it does not answer to Divide the Practice)

a by not confining your Studies you may do service to the one you practise. These are some of the reasons for the night of this Beneficial Art by the Ancients. I The method used by the different Thingdoms for The Improvement of midwefery. I said the French were the first who made im provements on midwegery & most of the authors from 1652 to 1725 were French men, Let was long before any improvements were made & Mr ... in the year 1723 was the first who delivered Lectures on A. Mr Periouse sunk some thousands of Livres for a Person to give Lectures on Miswifery to Stubents & Miledwives & he was appointed for this purpose x after that obliged every miswife to attend the Hotel Dien some months before they were allowed opractise altho the Ferench used these methods jet it was not till this bentury that any Improvements were made. The Dutch were the next Mr Ruyah gives an account of a Hospital. being founded in Amsterdam for the midwie & were to hear Lectures on midwefery & as he was Professor of Anatomy there, he was appoint ed to give Lectures on it a at that lime medwel my was wholly in the hands of women & he gave Lectures to them once a month only which was indeed too selsom.

altho

Altho the French were the first that made In provements on midwifery, the English altho they should not be the first Discoverers yet always make considerable Improvement when disco. vered, so it happened here. The three Cham. berlains were botemporaries with Morriceau they firetented tobe possessed of a secret by which they could deliver cases where Morriceau could not, and of them went to Paris in order to whow the world that he could deliver in eases that such a famous person as Morriceau couls not, he was not long in Paris when such an opportunity ded cast up, Moriceau had a case which he coule not Deliver & as he had an aversion to the Cosarian Operation he gave her over, Machamberlain went To her & promises to deliver her in half an hour but he wrought three hours with her ashe died undelivered a we shall find afterwards that this deret of his was the forceps - to he left Paris ... without having the Success he Expected. Chapman was the first who thought midwefory in England which was in theyear 1730, but it did not arrive to any perfection will Do Smellie gave Lectures, he introduced machines in the form of Women & phildren & made the Students work all the Deferent cases, which was a very great improvement dwhich was not known in France for in the year 1750 they had only a Micher Muman & a Dead Chill to work their

Cases with, in Paris; this opportunity of practice which D' Smellie gave was better than the most elaborate Lectures that could be given, besides this he gave his this ents opportunities of Real Inactice for he hefit Pregnant Momen in his house which they attended in their Deliveries. We began pretty early in this Town to improve Inedwetery for in the year 1726 Mr Gibson was appointed Professor of midwifery In the Unive esity & there was an act of Town & bounch given out, prohibiting any person to practise midwifery in the City untils they attended Me professors Lectures & was found qualified by him, MrGebson had composed his Lecture as I have seen a Syllabus of them but he die before he Delivered any of his Lectures & I was The first who ever had the Honor of Delivering Lectures on Midewifery in this University, I met with many Difficulties at first as always happens in the first Institution of any Seeence, in this tity at that time It was not Known that Men ever Delivered unless in def. - ficult Cases & I could get few Momen to submit to be Delivered & shore I could scarcely per-- weide them from thinking that they were to be very bad as Muy were tobe delivered by men & I was obliged to be present at every delive -ny myself for a long time as they would not allow the Gentlemen to Deliver them unless

anlifo Jucas present, It was also difficult for me to make machines which I was obliged to do for as Do I mellie high the inethod of Imakother way; but however I surmounted all these Differenties & now I think we are as commo-In the year 1705 the Thing of Prussice irected a bolledge for the teaching students & women modeley in Merlin of his own Physician Dr Eller give Lectures to them which is now - ar Melhlen and person, could practise mid. wifery unlife they studied it at Berlin. His Late magesty exceled a hospital at Gotten. gen on the same footing with that Ericked by The thing of Briefred & Mr Roderes gave Leetunes to the Steer ento & Momen & none were allowed to practise midwefery in that Country unless they stirded it at Gottingen. Quer since that time Midwelery has been trought in all the Thingdoms of Europe de what is surpressing is that such an usiful branch as Phidwifery about received so many Improvements within 30 or 40 years should have layer neglitied for so many past ages, I have now shown the state of midulefore in the Narious Houngdoms at the anethods used for its Improvement:

I shall now Consider the Authors who have wrote on this Subject, but it will be needless to mention all that have wrote on it best only the Principal ones for When midwefery be. : came a Lecrative Branch in France every Surgeon endeavoured to introduce himself into practice by writing a book on it which had nothing new intit unless the recommed. eng an Instrument for some great purpose in mowifery which when put to the trial was of no use at all; therefore I shall pass over there & only mention the Principal Quethor. Thave said that the ancients hineir little about midwifery for if you lash into Heppocratisas. Describing Diseases, a method of Delivery you would not think that they were done by the -Same person, he had no Opportunity of know. ing any thing about Midwifery but what he Learned from Momen, he thought that a hill presenting the feet was always Dangerous. belsus who lived about 400 years after Sup. poerates knew lettle more Man him. Inly that he thought a Child may be Delivered by the feet without Danger. The Arto & Sciences arose with the Chaman Empire but when on the Delino the arts & Sciences declined also & then Physic fell into the hands of

the Arabians but they made no Improvements so that for 14 or 15 bentunes Physic was in 'a state of Inactivity Ambroise Parey Surgeon to King Henry III of Firance was the first who wrote on miderifery, about 1582 he wrote a system of Jurgery in which he has a book on Generation where we find the practice of mid wegery at that time, & to him we owe the method of turning. the Child in Continuational Lubours so as to make it present thisteet, for before his time all Protesnatural Bushs were turned so as to present the head, he abolished this method as he found it attended with many inconvenuences & turned all these postures so asto make the feet present, by which he Delivered the Child. In his book we have also figures of all the deferent Instruments used at that time which resemble many of the modern anes. He was extremely foredulous as ap: Trans from his book of monotors. this improviment of ambroise Parey was fur from being general after his Death for his Succeptor Monto Gillemean recommended The making the head present in protuma: tural Lubars, he wrote a book on mid wifing in 1609 dwas translated into English

in the 1612 & was then thought the best book on the Subject. About the middle of the last Center -my Learning began to rise a great improve : ments were made I about this time lived Morriclaw, the practice in histimo with much in the hands of the men & he had him: - selfa considerable practice having publish = is a volume of 850 Observations all from his own practice he wrote about 1668 he was the first who reduced midwestery into a requ -lar & complete System for nothing that\_ belongs to Originant Warmen escapes his gratite; In produmatural Labours he turned the Child & made it present the feet, The forceps in his time were not known a therefore in his Laborious Cases he lost many Catients. He invented an Instru-= ment which he called the Fire tete which he used when the Child was locked up in The Delves word shall speak of afterward he was an enemy to the Casarian Opera: tion which gave Chamberlain anoffor tunity of trying his secret as before onen. troned; at the End of his first volume there are a great many apparesms Jaken from his own practice which were Translated into English by Mr Jones. The second Col. is full of his observations & here there

gives the most complete set of cases that will find any where being \$50 in number but the second volume was never I randalls into English. The first waleine is trains. : tated by Chamberlain & has added a few observations of his own, under whose name otyais. In the beginning of this Century or 1701 Deventor a Physician in Bort in Holland published a Selstern as much extolled by o. some as was eried down by others, he imagine Ed that the Utterus is capable of taking oblique situations, sometimes falling to the one side Sometimes to the other & sometimes over the Os Pulies Lapigned this as the Cause of Labore-- ous burths; but he had not much practice dany person who has had practice well find that he has been mistaken, for it is very mare that the Mamb will recede sofar from its matural place so as to incommode Delivery, he thought also that the Placenter was always attached to the bottom of the Word of that its oblique Situations were owing to the bottomof the Uterus changing its place, but nothing is more Certain than that the Placenta tray inagined too that the do boicygis was the Cauca of a Laboreaus Borth by its

not yelding backwards & he recommends. the pressing of it backwards, but this is needly for if the pains are strong by the Child's head being forced down the Os borges will be pressed backwards or the bones of the Childs head well yeeld, so this cannot be a lause ofer Laborious Burth. The was unacquainted with the Forceps. La Motte published his book in 1715 he was Surgion in Bologn, he made no Improve ments on mid wifery dis the same with more ceau & all that he defered from him wasen Expening the Child's head, La Molle took a. crooked bestory to open the Head a thin in troduced a pair of forceps such as are used in Lethotomy to extract the head, hist of this afterwards. He wrote on a Deferent plan from Mose before him, he gives Derections of bases & there gives bases to ellustrate them, in this way himakes a great many Prepetitions & swells his book greatly, but mr Jomhens has translated it into English dalenesges et. It is an usefull Isook . -The first English writer of any note was M (hupman hepulseshed a Freatise in 1733 win contains 30 Observations. He first found out In framberlains secret a pretended to be position

hopselsed of some suret fellet of his own wh Died with him. Mr Geforde was a man of very considerable practice in London & he was called to all the Deficult Cases. his observations were pub: Meshed for his Widow dare about 225 in num: ber, he first introduced the forceps into common use in England a delivered many with one single Walade which was long a sieved in Holland, but he delivered many with the forceps where they were not necessary because he seld om waited the efforts of matine but when a burth was ledious he had imme - de aterrecourse tothem. In proternatural Benths he always Delivered by the feet of gene. nally by one foot. He always entroqueed his hand into the atteress to bring away the Placenta which was probably owing to the manner he was Quates, as we know now This depends whom the Contraction of the Utienes I that it must be allowed some time For Fullding auld published a Freatise in the year 1742, there are no great improvements in it ashe wrote It when a young practitioner, he contrived an Instrument for the opening the head of a Dead while with someich the same with an Instru ment of Mr Detits for Lancing the Throat;

he likewise gives as a method of apristing when The Umbelical bond is much twisted about the nech of the Child, in which case the head always Sleps back when the frains vienet dhe adverses to introduce some fingers into the Rectuma. heep the head fast . But I do not find this me: · that answer nor indeed is it necessary. He lipuvise disembes the manner in which The Child enters the pelicis with one car to the Os Pubis & the other to the Os Sucresm. Mr Lewret en Murgear 1747 published a Treatise on Lubor cous burths with a viceo to show an Instrument he had contrived to extract the Chilos head when left in the atteres, but all his Instruments are com. - play a never answer the purpose intended. In 1749 hepublished a Freatise on Polypi & he takes up a hundred pages of it to ex--plain the Terms he uses in it, he is at great pains to show when the Colypus arises. from the bottom, the neck of the origine of the Womb or vagina, when from the bottom the vefsels are varieose often burt our ing to the orifice of the womb contracting on the Polypus & preventing the neturn of the Blood, therefore they have a constant draining of Blood from the Uterus:

When from the orifice & vagena are easily known from the feel, a whenfrom Whennech, is known by the views not being war "ricose & the orifice of the womb of un. quail thechness of a little termes wip . But These Diotentations are useless for the lune of the whole as the same, for you put a -Ligature as high up on the neck of the Coly: pus as posible & the it comes from the bottom of the Word you cannot carry The Ligation any higher than the orifice of the want; there is no subject that has pursed this alethor more than the method of making the Legalure, he always attemp. ted it by Instruments but always found Difficulties attending them; but no Instruc ment is necessary here unliss a pair of forceps to take hold of it a pull it out wards for the mouth of the Uterus is only I'la Inch from the orifice of the Vagine def there is any thing growing from the atteres you can lasely take hold of it & pull it outwards which will bring The mouth of the womb still neaver the morith of the vagina a then you can Lavily fox a noose with your hands. He afterwards published a book as a continuation

Sontinuation of his Preternatural Labour I says that one cause of a Labonous Burth is after the Head is bonn the one Shoulder. pressis on the Os Sacrumd the other on the -Os Pubis he here recommends the Depar inviting the head from the Body & thin in troduce a protest into the Thorax & pul it way. Dopurton Physician at york published a Book en 1754, he gues a fuller Descrip tion of the Pelus than any before him, he did not seem to have had great practice for he says when the Child presents down ble you should push it up & bring it by The feet but we find that one half of Mon who present Doublewill come down in The same way, I he says that you should not hurard the Extraction of the Childby one foot but we find we can do it rather better with one Man with both but his chief design for publishing seems to have been to recommend some Instruments but they all seem to have been contrined in his flose for more of them answers the purpose for which they were Intended. Do Smillie published his first volume An sume year that Dr purton ded his The

Acis very full on the Laboreous & Orationnatural Mirths & recommends greatly the rese of the Forceps which was on the Declina after the Death of Geford, but he used them in bases where there was no occasion for Them; what he has wrote of the Diseases of Warmen'd Children is very superficial; after This he published two volumes of Caresin initation of morrieeau & La motte with This Deference that he has many bases of his acquaintances with his own, whereas They had only their own bases which a: cured to them in practice; in order to men: der his book more usefull hi has since published plates of the Graved atteres but They are far from being correct. It is a Good book dyaill find more of the modern practice of midwefery than en any one mentioned. Me Peuseau who had a considerable reputation in France, but it is evident That he never intended his book to be made publich, in the 1759 which was after his Death it was published by one who un: denstood nothing of Midwelery & contains nothing but what fifty people have told before. Dr Astruc within these & or byears has

has published 6 or 7 volumes on this subject. It is a pity that he had thrown away all his reputation which he had gained, by put. : lishing this Book; his first to Wolumes are mostly taken up with incurable Diseases of The Uterus & Ovaria, he is by far too tedious, his 5, bd 8 are collected from others & his 7 gives us a new System of the Uterus. This practice of midwifery esentirely collect. -ed from other authors & is a thing hinever practises; he has in his 4 volume a bhrons. - logical Catalogue which is the only use : - full thing in his book . \_ Mr Procederer Profesor of miswefery at Gottingen has published several Mings. his first Elementa artis Obstitricio is cheefly or entirely taken up with the Practice; in Mu french Edition we have 14 plates copied from D'Imellie . he published some other Books relating to midweleny -These are all the authors I thent neces-- sany to mention I have ometted many of Them. Those most needpary to be read by you are Morriceau Daventer, La Motte Dr Smellie, this last is commonly put into your hands, but one cannot properly understand him tell he has studied a

hourse of Midwefery; he is indeed more as full than any of the others as he contains more of the present Practice. I shall now proceed to that which is more omap. terral our to give you a Description of the. Pelves Description

thro the Day the liquor is squeezed out of the Carlilages of Merely become Kninner; & the fanhlages between the Mones of the Os Sacrum becames hard I beauty as those between the Vertebra do in Old age, but as the barblages between the Os Sairin is thinner they become hand sooner. The as Sacrum on the inside is hollow in order to make more room in the Pelvis for the Contents don the Mack of is uneven by the insertion of muscles & more Expecially for a protection to the Spinal marrow which runs from the head to the Extremity of the bone which forms a protuberance all the way in the middle: On The inside there are small holes thro which nerves go, which join trogether & afrist in forming the great Sualie Herve. - & The Os bocaiges is made up of four bones \_ which are connected by Cartilages to one another & to the Os Saerem; in Womincome to years it is moveable altho the Os Sacrum is immoveable & by the as Coeriges moving backwards by the Childs head forefoung al garant it, the passage is enlarged for it. The Ofsa Pribes There is a tody atwo toranches in each of the two bodies are found together & form the fore part The

The Offa This are irregularly convey deomos owing to the Insertion of muscles. The Ofsa Ischie each of them have a spine wet sometimes interrupts the Child's head & thereby here -der Delivery Tomisof Mise Bones are found together by a Many matter a others by a Gartilaginous matter as the Ofsa Pubes to one another of the Ofsa Sochia to the Bo sacrum. It is a dispute whether or not these bones are Separated in Beliving to allow an easier or to the Child; youl many instances in author of these bones being separated in Difficult Lubours; but it is certain that these Bones for the most part are found so firmly together that they can handly be separated by a knife I therefore it cannot be supposed that they can be separated by a Defecult Labour &. Than seenmany Momen die of difficult La: -bours & have had opportunities of examin. ing some of them afterwards but I never found these Mones separated. A sometimes happens that by Disease these bones may he separated, by the Cartilages becoming soft, there have been several instances of this. A number of people imagine that these

these Bones are formed so by nature that they may separate in the time of tourth, but this would be inconvenient, for if these Bones were lookined The person could not walk, as walking depends greatly on the fermoness of these bones a of this was the Gase a woman would be able to wath after Delivery until the bones became firm which would take some time, but we see this is not the base & Merefore we may say there is no Separation of the Mones in Delivery. The Bones at first sight seem to be ill contrewed I one would think that they might have been better done, but after a little examination They appear to be wonderfully executed; there is a hole with the Foramen Ovale, in which a strong Legament, the External & Internal Bliturator muscles enter, a it would be very inconvenient if it was otherwise; also the acetaleulum is Much & high on the outside I low & this on the enside, the reason is that There is no Danger of the head of the thigh bone going out of it on the inside, but a very great danger on the butside, but there is another Design on this there are glands in the acetabulur, don the inside where the brim is lowest the below refolls enter to supply them

21 Show a there could not be a more Convenient part for that purpose, lekewise of the Korim on the inside was as high & thick as on the outside, incertain wholians we might have endungered the breaking of the Kimm or the head of the Mugh bone. The Morem of the Pelves is of an Eval figur the long axio is from side to side a the short from before to behind; this is the case in a-Well made woman, there may be a little variety but it is generally the case that between the Os Sacreem & Bs Pubis Mere es a Distance of AYA Inches & from the ones Os Sliven to the other is 51/1, Inches so Met there is one Inch a Deference. again in the bottom of the Peliers from the fore part to the back part is the same with the distance which is between the Tuberosities of the Ofsa Ischia, Mus is in the common state but in Delivery the Os boccigio is/prepis backwards don that account the Distance well be greated from before to behind des the reverse of what it is at the brim .\_ We find the depth of the velices is deferent in Different parts, it is shallow before deep er at the sides & deepend at the back part; it is generally about two Inches deep before, four Inches at its sides & sex Inches at

the Back part, so that it is twee as diep at. the sedes as what it is before a Minie as deep behind as what it is before. The next thing to be Considered is the shape of the Childs thead, this admits of greates are weely a I cannot estimate it by Inshes as was done with the Pelies, but general by speaking it is one inch ornore from the forehead to the hind head Man from side to side, indied this differs greatly for on exemining thirty tholorens heads youwill not get one letre another, but unlife the hear neceives some hunt in Delivery, or it being Deseased there is alway one inch of difference The Cheld in the words has generally obticed lying on its right Shoulder & Chin on its -Wheast, so when it descends its face will be to the night Os Ilium & the longest paint of the head well be to the longest Deameter of the Peluis; one would Imagine at first sight that the Child would descend with the hind head to the Os Pubis & face to the Os Sacrum buit of this was the Gase there would be a great inconveniency for the long part of the head would be to the shortest axis of the Pelvis & the Child would descend on further tell the bones of the head were modelled

26 modelles to the pelies, but it will enter more. easely when the sides of the head are towards the Os Sacrum & Os Pubis as here the largist deame. ter of the Head is to the largest axis of the Pelicis. But it is the neverse at the bottom of the pelvis from what it is at the Brim & therefore when The Head of the Chils is past the torins, by des cending in that way. The head will find a great resistence which will make the head turn wort the face to the Os Sacrum & hind head to the Res Pulis & here the langest Dia: meter of the dead is to the longest axes of the Delvis; the same knowledge is necessary when the Child presents the feet, for when part of the Body is delivered in order to make the head pap the Brimof the Pelius the face & hind hias must be to the Ofsa Ilice & The neverse in the lower part of the Pelves, Sometimes here the Delivery is retarded by The head being raised up, when this is the case you must put your finger into the Childs mouth & press the Chin on the Break d then it will be Delivered easily. Ishall now bonsider

The

The deference between Mc Pelous of a Man & Momain. The cavity is larger in Women than in min & the Thigh honed in Women is further removed from the center of the Peluis of thenely the Mugh Bones are more oblique. In a well made No--man the distance between the two Ofoa Slice is 1/3 greater Man the breadth of her Shoulders & the breadth of a mans Shoulders is 1/3 greater Than the Distance between the Ofoa Ilea, by. This means there is a great deference between the some of a Pelus of a Noman from Mat of adman The Pelvis's of all Animals swift Janution are very Deferent from that of the human body, it is in them longer from the fore. part to the hind part than from side to side I is quite the Reverse from that of the human Hody - Another difference between the Pelis of a man & Maman is the Os Sacrum in min forms a burve den women it is streight by which the suze of the Pelus is considerably enlarged. legain the Branches of the Os Schum form a more obtiese angle in-Women Man Men awing to the bones the sine of the Peluis.

of the Deformed Pelvis, The Pelvis is sometimes Deformed & Distorted I this may be in different ways, the Deformity may be confined to the torim, or to the toollom of the Pelvis & sometimes the whole Pelvis is distorted & deformed; of each of which I can show you many examples; Sometimes women who are well muse to appearance have bad. Pelvises & Deformed Women good ones, and generally Women who are Pucketty when young have but pelvises as in that Desease the bones are soft & they always set & use no exercise & then the weight of the body is upon the Pelvis which makes the Bones yeils a thereby distort them I when they come to be twelve or fefeteen guars old the Disease have them so that they will become stout well made women to appearance but they will still have bad Pelvises Deformed Women may have sometimes good pelvises, for sometimes the Deformity is only confined to the Back bone & the Pelvis very well formed, but of the Limbs & they's core De " formed as well as the back bone then we may be assured that the Bones of the Pelus are Whewise Deformed. But in general when

we see a well made Momein we may conclude that she has a well shaped Pelvis & vice versa but yet the Rule admits of Exceptions ... Sametimes altho Warren have has Chileren X been easely Delivered yet by Accident or Disease they may happen to have Defecult Labours afterwards. I had un Instance of this some time ago a waman who had been firetty easily delivered of several Children, bappines to get the head of her thigh bone broke with It the Ofser Innominate which by the one piece going over the other & the Gallus formed between them the Cavity of the Pelves was dimeneshed, she fell with Chilo aftorwards & has a Defeutt Labor. We know a Pelves to be narrow from the progress of the Labour, if the mouth of the Momb is Delated, The waters broke & the -. Labour pains continue strong dijet the head of the Child remains at the Brem of the Pelvis a does not in the hast advance then we may conclude that there is a Deformity of the Minim of the Pelvis. Inother mark of a nerrow pelves is when the Childs head presents in a thorp form instead of a full -roundesh form, for by the narrowness of the Peluis

Pelvis. the head cannot go thro unless the bones of the Child's head overlap one another which makes of this shape a here you may easily feel the edges of the bone. Another way of knowing a narrow Pelus is by the Touch. less thes you know whether or not then is any Deformity in the Bottom of the Pelves, but if it is in the Brim, as you can feel no more there than about the begness of half a brown a you cannot even tell there what paint of the head it is you feel a therefore you cannot be certain of a Deformity there by the Touch; but when you think there is a Deformity in the Lower part you introduce your finger a thumb up the vagina dby separating them you can know the distance which is allowed for the Child's head a you can judge whether or not it will allow it to pass; but this need not be often done as it gives the wo--man pour of the Deformity of the lower part does not happen to one Homan of fifty, therefore This is not tobe done unlife you think by the slow progress of the Labour after the Child's head has passed the Brim that there is a Deformity in this place. In this Sharp form of the Child's head the Child may be Delivered alive & no Danger to the mother. A Woman may sometimes have a Tedious\_ Labour altho she has had Tolerable easy ones

before owing to the Child's head being too large either by being so naturally, or the consequence of Disease as a Gropsy of the head which is pretty common to Chill-Fren before Delivery so that the head well arguire three times its natural Mulh, & the mark nof knowing this are, when you feel something of an extraord many bulk a you feel large mimbranaus spaces between the Bones a by feeling yould be sensible of a fluctuation of water within them, here you cannot deliver the Child unless you let out the water which you can do easily by pushing your finger thro the membranes & then the head will go in little room. Nout it may happen that these Children do not present the head but the feet. I had a case of this some times ago, a Woman had been some time in Labour before I was called , when I came I found the orifice of the wamb was Delates to the begreeped halfa Grown, the waters were not yet broke, I referred for some time tell the mouth was -Delated more & then the waters broke & Found an Extremity presented which I imagines was a hand as the Child was so long in coming down (for when a hand presents they are alway longer in coming down than when a foot presents) but a little afterwards I found that it was a foot which presented a by it I was Delivering the

the Child but I found the head stuck at the boxim of the Pelvis, by which I thought that the longist Deamiter of the Read was to the shorted axis of the Celus, I Merefore Introduced my hand a found that the head was in the proper Direction. I put my finger into the Childs mouth & pulled with some force, but still it would not come I then pulled with more force: of this a great quantity of wa: ter came away awing to the membrane burgt. ing at the Temporal bone & then the Child was Delivered with great ease. I shall now consider the method of Delivering in Narrow Pelvises. In some narrow Celvises by having Palience & not exhausting the Homan but supporting her, she may be delevered with Tolerable ease of a living Chils; for the head of a Chils is not the same with that of an adult, The bones in an abult are indented fermly together a are with very great defeculty separated in some persons Lan many this cannot be done, but the knows of a Child's head are joined only by membranes & can be very easily deparates so that if the langest axes of the Pelves should be loo short for the longest part of the head the banes will be prefixed to gether or overlap one another so that it may pass with tolerable ease); or of the longest Deameter of the Childs

head should fall on the shortest ax is of the Pelvis by allowing time the frontal & Occepital bons will be preped to one another, a will then paper with tolerable ease. Therefore if yould have palience the Childs head will be modelled to The cavity of the Pelis & the Child will be de: huened with Tolerable ease). Sometimes the Pelvis is so much deformed that it will not allow any Child's head topage, in This case we must open the Child's head in order to evacuate the Brain & Dimenish its size & Then it will be delivered, by this means the mother Life is preserved. But still you may meet with some pelvisis which are so Deformed as not to allow either head or body to come away, in this case we must have recourse to the Casarian Operation, for altho the Child's head was opened of brought away the body would be likewise obliged to be taken away by piece meal which would hurt the woman as much as the Operation, & in this way we may save both the mother of the Child. This is the method of Delivering in Narrow Celvises. The upper part of the Bs Sairem is higher than the Os Pubis & this may show us the posture the Woman should be in when she is to be Delivered; if the Woman shands upright the The Child's head will not fall upon the Center of the Pilves but upon the under part of the Bs Pubes a Merefore this is a wrong posture); if she beson her side, the head will fall on the Legaments of the Bs ischium, but the pain will cause her turn over a then the Child's head will fall in the center of the Pelves; if she oits on her threes the head of the Child will fall on the under part of the Bs—Pubis, but the pain will cause her bend forward a the head will fall in the Center of the Pelves so any of the two last ways will answer.

This finishes the consederation of the Pelves.

The Parts of Generation
They may be deveded into two the External & Internal. The External are seen without Defect
-tion. The Internal are lodged within the ca:
-with of the abdomen & require Defaution before
they can be seen. and
The External & the first of these is
The Mons Neneris which is that fatty Eminene
above the conjunction of the Office Pubes & and
of this forms the also majoris or Latio Puden.
of this forms the also majoris or Latio Puden.
day, these bye closs to Jether & defend the frank
from being hurt by the External air a no more

is seen untill they are separated, the skin of their Interior parts is thin & thereby of a Ricowh color There are small Orifices in them which pour out a Sebaceous Lignor which preserves them most & frewents them from being hurt in waterng dep. When the Labia are separates Then appears the Otitoris which resembles a small Awula, it is of different sozes in def-- derent Women, but the largest is about the sure of a small avula, the greatest part of it requires Dissection to be Discovered, it has two Limbs which arise from the Suberosity of the as Ischium which unite at the Sympho-: ses of the do Dubis a forms the Body at the Extremity of which is the Glans & here there is a Doubling of the shin which is called the Ineputium, it resembles the Venes as it is composed of two Corpora Covernosa dlike it, is capable of being inflated & Distended by anatomical Infections, are distended in the same way with the Penis. It has two muscles some say four, which are called. Erectores Chitoriois, they arise from the Tuberoaity of the Do Tehium & in ascending go around the Nagina devidently serve for bonstrutors of the Vagena. -8) The Ala Minores or Nympha, one on each

is most remarkable in unmarried Girls. It receives Arteries from the Epigastric, like the atterns of the respects of the atterns anastomose. with those of the Yagina. Thereagena in a woman who has born pheldren has bugo altho not so distinct as that in aryoung gorl. but the Utirus of a married woman is quete. smooth in the inside whereas that in a young. Gent is formed into Ruga. Perincum. It is about one inch in length but in Labour it undergoes great stretching. dis then about two Inches, & if the Labour is very hasty it is aft to be broke but maken has made a provision for this that the first Labor is never so hasty as afterwards for when the stretching is gradual there is no danger of its breaking, but when the stretch. ing is sudden it is very aft to break; the Pactum will be stretchie also den the same way is very aft to be Lacerated . -I The Internal Parts the first of these is The Atterus. It is a pyramidal body & is situated in the upper part of the Velves, it lies below the Holadder & above the Richem, it resembles a flattened pear with its Bases furthest up in the pelves & angle at the wa--gina . It is cover in the linterior de oneaver

always large in Women bearing Children, they are situated about an Inch & a half or two Inches from the Uterus. We are in the Dark with regard to their structure, many are of opinion that they are formed of Vesules & these vesules form the Bra, we find only about two or three of These vesules in ayoung Girl but many more afterwards. It is connected to the literus by an Legament which some have supposed to be a vefsel & have given it the name of Nas Deferens but it is only a Ligament formed by a Duplica-ture of the paritoneum. There is some freeze hanty in the Ovarier, for at certain times they Swed & hurst La leguor is poured out, the holes remains into which aprobe may be introduced, to satisfy yourselves in this you may examine the Ovaria of a she animal that is hot? At the time Matthe Ovaria burst they are years: fris by Subis, these tubes come from the supemor a Lateral part of the atteres dat their Extremities there are a number of fleshy fibres which grasp the Ovaria when the Gurst and carry something to the atteres; they are called The Fallopeian Jubes, Muse are small whenthey come from the Uterus but gradually become larger & the largest part is carles the pavelionfrom which there are fleshy fibres which is called The Morous Deabole, Thur Use seems to be, to carry on a communication from the Ovaria

to the Utierus. The Utirus receives Moloodorepels. from the Epigastrie which divides into two brans ches, one goes to the Utions & the other to the vergino Multeris also receives to lood from the Spers -matie artery, it arises where it does in the male aas it Descends it sinds of branches to the Ovarior, Fallopeian tubes & broad Legamento d then continues its course to the Utteres ,where it is confused with the Epigastrie artery, & the branches of the Epigastrie which go to the vagine & atterus anastomose with it. The alterns has three openings the two fato peron Tubes laterally of the Os Internum which openstowards the avagina. The Is Internum is small equal & smooth in Momen who have not had (heldren, so small as not to admit a probe, but in Women who have had Chilboren, without contracts pritty much yet never so much as it was before dulso it is not so smooth in those who have had Children & this may be a mark to know whether or not a woman has had Chiloren. The Ulterus does not lye in the same horrozontal line with the wagina but lies stanting upwards d forewards, so that when you entroduce your finger into the vagina & touch the Bs Internom you as it were support the atteres. This finishes the Description of the parts of Generation & as they are leable to Deseases we shall next speak of them\_ Design

The Mons Veneris & Sabia Pudenda are hable to Odemalous swellings as every part of the body is where the motion of the Polood is Sanguid dweak a sometimes they swell to a considerable size a become Anuscurcous inthis case a pumeture must be made to let out the thewater, but this is seldom mecessary & Inever sown fase which required it.

happen to Momen who are with Child; you would think that the swelling of the Salia would interrupt the Delivery but this is not the base, for the streps as I said before is not on the Salica but he Peraneum & Recturn & Merefore it will not hunder Delevery. I would not hunder Delevery a Sometimes Tumors grow upon the Salia & Mons Veneris. I saw one of a very consider able sons of a fally nature; it happens unter the toody that according to the nature of the fait upon which a Tumor grows that it?, always partakes of it, if on a fleshy part the fleshy, if on a fat part as in this case the Tumor

Tumor is likewise fally. In these lases the Tumor must be cut of which is very easily done of there is soldom any occasion for taking up a veful. The Sabia sometimes grow together which may happen by being long Delirious in a fever where the arrivers passed involuntions which executes them a takes of the shind by the one being applied to the other the parts grow together in the same manner as a bure of a Hare life is performed. The bure here is very simple by separating them it applying freezes of plaster to prevent their Reunion. I saw once a base of this, owing to the fewer I have ascribed.

The flitoris somatimes is of avery great length so as to make. Them what are balled flermoftworthes, we thereon's who partake both of Male & Flemale, but Jam of opinion that they are all Male, I have had occasion to examine three who were called Flermophrooises a particularly one, I found that what was called the Clitoris was a Real Ponis, Mulisks were taken away & the Scrotum devided to appear like the Latia & a small hole was anale,

made that could admit of a little finger, but it. appeared evidently that he had been manufac-Tored when young in order to make more money of him by making him resemble both -The Nympha sometimes become too large especially in Marm blimales, by the Heat relaying the paints a they sometimes become so large , as to be viery uneasy in walking adolerright the making of water in some measure; in thes case they may be cut off a as no great vef. - sel goes to them there will be no Harmorrhage but if they are very large the refsils will be encreased in proportion & sometimes altho They do not bleed much in the lime of the Opera-- leon, they may a few hours after it to reed angreat deal , but this can be easily firevented by I rasping the Artery for some time believein the funger of theimb wif it does not stop by this take it up with the Needle'd thread .: The Urethra, Atwo situated between the two Nympha d'àbove the agina, in women who have not had philoren theressome

space between them but in Women who have had Children the Urethra seems to come out of the Wagene & hence mistakes may aris in Sounding - The Urethra is short din a straight Line & w capable of very great Distention so that stones of a considerable Soro may be passed from the Polacoer, there is an Instance of a stone being passed weigh ing two diences two Drams & wo Scrufiles where is another instance of a stone being profoed weighing four Quinees, hut such s large stones are have Occurrences hence for these Russons Homen are less subject to the shone than Men, as from the shortness. of the Canal, being in a stronght line & casely Destended of will allaso small stones to pato; but however these do not hinder altogether from being subject to the stone but by the Accounts of the Hospitals there are very few Momen subject to the Disease in both tarisan of Men! The symptoms of the Stone in Momen and the same as in men a weight about the Of Pules pain in the Mach de but instead of a frain in

the end of the yard in men there is an itely. ness a point in the BRD of the Worthing de, Vagina When there are symptoms of a stone in the Bladder they must be sounded with the Catheler; It is more easy to do this in Women Than in Men on account of the Wrethre being short a straight in Women whereas it islong & burved in Men, it is done with bullionno frain to Momin whereas it is very frainfull to Men. The manner of holding the Catheteris to hold it near the outworks and between your junger & thumb with the palm of your hand upwards, the common method is quite of poste to this, in this way you may push The batheter too far in the Whadder as you cannot see when the alrindruns out for your fengers whereas in the method I recommend as soon as the batheter is introduced into the Whiteder you know it by the seeing the water run out & then you immediately stop. The method of Sounding them is you lay them on their Back a separal the two Subier, afterwards the two Nympho, then you see a

Cases as where there is a great Inclination to make water & is done with great difficulty to the desire we so frequent as every eight or ten missites with if not then evacuated is very considerable frain to the patient. Then we may introduce the bother to the patient. Then we may introduce the bother exactly to the bavity were will prevent the bad consequence mentioned. Then youll fix the bad consequence mentioned. Then youll fix the bad water the Archer by tyeng rebbons to two theorys when she has any inclination to make water the Stilletto can be withdrawn & For the stone in the balder in women the treatment is the same as in the vort by

We know with more certainty when a stone to in the bladder of a woman than a Man by the batheter for as the Abrethra is short and streight we can easily touch any part of the bladder with it, buil in Men the Abrethra is lying under the bladder with it bladder the batheter will not much it a althou a stone is into the Bladder winds is a stone is into the Bladder

herforming, the operation of . . ...

Bladder of a man we may sound him several times without feeling it. The throwing liquors into the Polasder in order to depolve the stone is more practicable in women than in men. & this is done with little or no frain to the Wes -- man & therefore may be tried; but if the Stone is not desolved by this means then we must have recourse to the Operation. Some have endeavoures to Delate the Unthra by Spourage Tents de being introduced intoit but besides this given a considerable pour for some time were twould take before it was sufficiently delated. Mu patient would labour under an Incontinence of Wrine for some Gears. Therefore buttong the Ure: - thra is more (udustable); for this warrous. Instruments have been contrived, Frere bomb has invented a knife for the Opinathon in Min which has been used here. Mu knife is concealed in a Groove a in this man: ner you introduce it into the Wealder, them you opened & pull it out and the knife opens more or less at pleasure you thereby can make the Delalation according to the large: emis of the Stone; Month Frantened

Invented another Instrument whatfers bills from the go omer only it has two knives concepted thewaise there have been several other Instrue. ments inverted for this purpose. Some people have advised to make the Incision on the out. sie as in Men. but this is more Dangerous Than in Men for the Uterus or Rection is afit to be cut dit is more Dangerous Main culting the Wrethera allowing this not to haiffen. The High Operation as the same in Momenos in Men, but the least danger is in willing) The Urethora (which is not long) a nech of the Wlader, a I know no Instrument so fit for This purpose as the Common Culting Gorger for by inbroducing Firere Combo instrument such a length into the Whatder as it opens. most at the point you may happen to cut The body of the kilabder; a the Same objections may be given to the other Instruments & the most simple way is to introduce the gorget wito the alrethra which only cutset to the needs of the Bladder a whom the Gorget you slid along a pair of Forceps & extract The Stone in the Common way Temperforalis

Imperforated Vagina The orifice of the Wagina is in amanner shut up by spoundy substances with are about it which hinder the accession of the air These Spaingy substances are described un: -der the name of paruncula Myrtiformes as they were thought to resimble myste Seaves, they Mought that the breaking of a membrane which is called Hymer former etself into Mem, but the Hymen is very little & if the bourencela were owing to the break : - ing there would never be any, so they are quite different? It sometimes happen that the Vagina is entirely shut up by the Hymen so as not to allow the Menstrual flux to flow, This is no incommenience untill the Gerl ar : revis at the age of Puberty when the menses flow. Min it is retained and accumulated us the Vagina, so at last it will press upon the Nection & Bladder by becoming so bully causing pain in going to stool a can: not retain the Wrine solong as common & sometimes a pain & defectely en passings It, when the Gold has these symptoms

still cannot be certain that this is the disease until you examine her. The bure of this is. quite simple & is attended with no Banger, you cut the membrane with a knife & you know when you are deep enough by the flowing, of the Blood then you withdraw your Instrument, you are not here to expect to see the Blood boaquilates as there is no acception of the Air to it, but it will be of a black pilety color; some recommend here à single In: eision others a brucial, but it is a matter of Indifference which of them you usep. In Drefsing it some recommend superficial Drepunds others Dopuls to prevent it from brosing again as they say, but there is no Danger of Mes, & the Dofsels will prevent any of the pictrid maller from coming a = way unless in the time of dressing, In ments the best method is a what I have practised on three or four patients) to apply no Arefsings to it at all only to wash it frequently with warm much a water to carry of the pictrid matter, & in two weeks the patient will be perfectly recovered.

The Madder is sometimes toro in delivery a sometimes by the long prefoure of the Child's head against Ml Bladder causes a mortification of a part of it; the me-Thos of distinguishing between these two is that in a Luceration they cannot retain their water, which they can do in a mortefication, but when the mortified piece falls out they are then unable to retain Thir water, if you examine the water you see the mortified piece which they's pass & thereby know the largeness of the wound; light these buses are difficult of bure but the mortification in the most deficult; you may try the length of the Sucercition by introducing the Catheter into the Bladder & finger up the Daging by which means you'd find the length of the Loueration. For the bure we mist endeavour to take away the Unine as down as it arrives in the Whileder in order to allow the Lucerated parts to unite, I have tried for this purpose a flexible. Catheter, but it did not answer so well as

as the alrene men along the sides of the patheter, Itried a Metal Catheter, it again hurt the patient: indeed this is a base we can do very tittle in, I magine if we could introduce any thing up the vaguro so as to keep the parts contiguous to the Sacgration & adow nonelof the water to escape by it, a bure may be sooner ex: peched & I Minh Me Miadder of un anima introduced into it & blown up may answer This purpose. but this is a thing I never tried but is only a bonjecture. The atterns is often found double dby this we can explain Superfatation with sometimes happen as a flerson being de -- levered within & months of one another I which I presume is owing to there be: eng a Double set of parts sometimes there is one Vagina & two wombs & at other times Mere are 2. alagences & two Wombs I by this superfatation may be better. explained Man in any otherway ... The Ovaria are liable to many Diseases My sometimes contain Fratises, there

is an Instance of a fatus of four months Old being contained in one of them; I sow a woman despected, we perceived a large Tumor in one of the Ovaria which when opened we found the Jaw of a Child in in which was some full grown Teeth. the have instances likewise of Fatures being in the Hallapian Sube, but the Fatures in the Evaria or Gallopeun Tube never come to perfection or above the fourth month The Ovaria is subject to Drapsy a next to the Asectes it is the most frequent droppy that happens, as both these Species are of the Oldomen it will be necessary to make a Distinction, if the swelling is in the lower part of the Belly a to one obse of it, if it happens after a Defleutt Labor def you introduce your finger in the Pagina a feel the Branium swells & perceive a fluctuation inst. Then we are \_ certain that it is a Dropsy of the Ovarium, it is cured in the same way with the Ascites by performing the operation of the Paracentesis. I saw a base of this species of Drop. sy, an incision was made into it da great quantity

quantity of nacty stuff came away I could not reach the bottom of it with a probe & therefore threw in an astringent mertine by which means it was soon bured. The atteries is hable to Polype. The difficul. ty of extracting them woften from their strape when the lease is very broad a arising from The bottom of the worth you cannot that a Lega: ture about it. The atteries is thereise liable to all the Diseases which muscular parts are subject to as Surrhous Tumors & Cancer when these happen in the alteries we have no symptom by which we can know that they are present until by their touth we can perceive them; we know very exactly when there is a Seerrhus in any of the Wisce. - ra when very small by the effects we we ; know they produce on the System as the Liver which is a Secretory Organ by the In: =terruption of the decretion, but there is no Seivelion performed in the alteres & therefore we cannot know them winted they become so large as we may perceive them & therefore we can give nothing to prevent them.

The Method of Extracting Polypi . Various Instruments have been contrived by Authors for this purpose - One much used is a pour of forceps with holes in their points, you make a moose on the meddle of a string & put an end of it thero each hole in the point, then you introduce. it I endeavour to get the noose over the Poly-Jour wehis often very difficult & sometimes Impracticable; when you get the Noose over the Polypus you separate the handels of the Forceps by which you straiten the noose, This noose will become loose intero days and Therefore we must put about a second one When it will drop of in a Day or two. When this method is practicable a degree of danger allend sit, for if you put the moose too high you may take in a part of the neck or hody of the atterns a therefore I would lay o aside these Instruments altogether & I see no use for them as it can be done as well a safer without them; The best method is, as the wagena wood short you can introduce yourhand deeper hold of the Polypus a pull it gently or downwards & mely bring safely the mouth to the mouth of the Vagina a then put on the

I shall now speak of Generation In order to find out how much each of the Sexes contribute to the formation of the folies we must have occourse to exp. a for all the Engricies of many Great Men this subject is still remains in obscirity of perhaps wer will remain so; what makes the difficulty of ascer: - taining the share each of the seyel have in the formation of the faties is that Animals of defferent Genera will not couple together as a Horse will not bull a how or a bull well not cover a Mare for the parts of Gene - ration in the different Genera have no effect upon one another. posts vegetables & Animals require a diversity of Sexes, those animals who want Socal motion generate in the same way with the most species of arigidables. Negetables may be deveded into a deferent dexes the Hermophrodite, Male & Female) The Hermophrotele which includes the most part of vigetables are such are are possessed of the Organs of both sexes. The Male has

59 organs analogous to the male of animals & the Fremale analogous to the Jemale, so that I you take away dether the shale or the female the plant will not generate that Season what is called the Filamenta is the Male part which at a particular time sheds a farine or bust which falls upon what is called the Pes = Tillum or the Demule part & impregnates it. deven in the vegetable hingdom it is onlypar: ticular species that can impregnate one ano: ther, thus there is a Glass of Linneus called the Mongeica in produce both male & female from the same plant & the semale can only be impregnates with the male of the same spices There is another Chapes called the Dwireles which is either a male or female only. Medalm Tree is a species of this. There was a Male Palm at Berlin a a female at Supic but the female never bore Dates until a branch of the male was brought & hung over it wehimpregnalis the female at then brought forth Dettes, thus in vegetables a Deversity of Sexes is necessary for propagation: Me Mater plants live empregnated by the water carrying along the omale farina to the female; we see the

same take place in some animals thus on an hive of hoes there are two or three females two or three hundred males a all the rest hermophrodites by which they propagate a great many ince short time; those animals who are Hirms: -phrosites cannot impregnate themselves thus there are a great many Insects who an of this kind as mails, they do not impregnate themselves but when two meets they imprey = -mate one another; There are warrous ways by which animals propagate their Spices thus into whatever number of pieces you cut the Polypus you produce as many Animals, others altho you cut of any part of them they growingain as the star fish whose food is cheefly bysters when they we them open go to east them, the ayster to preserve itself shuts upon them states of some of its members, with soongrow again. Monfr Dandermon recom. -mends propsing the Breed for the propagat: eng of Animals; this is practised on reedetables & is commonly done with the born in this -Country We change the seed often for if the same Ground often, it degenerates & Monfo Nandermon

human species of to crops the toreed, he says that it is owing to this that there is a better race of people in large Towns than in Willages as there are people of various nations in them a they intermenty whereas in villages There are few people & they always marry o with one another; but I differ greatly from him for I thunk the contrary is true for the people in bountry vellages are stouter Man those in large Towns. We do not know whe-Ther the formation of the Feeties depends mostly on the Male or Fernale; Some lay the greatest stress on the Male. Thus a great deal of money so given for a Leap of a good stoned \_ horses, a Gentleman in England layser streps both on Male & Fremale himot only meeps fine stoned florses, balls, Chams dep for which he gets a great Sum of money for the Leaf but he heeps fine bows, Mares Theep ke for which he gets a great sum for their Loan in order to get their torced I shall now mention the several systems Generation.

1 Is that entertained by Hyppocrate's a wother most ancient; he thought that generation was owing to a mexture of the male & female seed, he was led to this by the Ovaria which he thought secretis a liquor analogous to the Semen in the Festes of men a thought that there vefsels from the Ovaria to the alteries weh were called the Waso Deferentia a that in the time of bopulation a liquor was powed out of the Ovaria into the Uterus by these vasa Deferentia & was muxed there with the male seed; but there are no such ressels as the Wasa Deferentia I what goes under that name are nothing more Man Ligaments connecting the Evario to the atterned; he was whewever led to this con: : sideration by the resemblance of the Fratus to the Father or mother & whatever Imperfections either the Father or Mother have the fatus gene: -rally have them - Thus if the father or Mother have not come to the full time, the philo very after linewise does not come to the full time, & litewise when a Black Man couples with a White Woman or white man with a Wlack woman we find the Child is Tawny are see the same thing happens in other animals their

thus we often see a poiler have puppies half en hound half mastell awing to the Misch being a martist when hat being lined by a Hound There is an Instance of dinare fooling a mule da horse at the same time, owing to her being covered by a Horse & a Jack Als: like: wise he was led to this from the wacuation which some Momen have on the time of Goffees · lation . but this happens in a few women only A those who have it not are impregnated as well as those which have. Merefore. you see there are objections to this System. 2 Is that of Aristotle); he was preceptor to Alexander the Great who was very fond of Natural History & was curious to knowhow Generation was performed, he gave orders to Aristolle to enquire ento it a furnished him with money dep in order to make Experiments but he made less progress than what one would imagine who laboured ainder such great Advantages, he denied the system of Heppocratis a Mought that Generation was awang to the mixture of the Male deed with the menstrual Blood, but of this was the case women could be only muche pregnant at par. ticular times when the menses were flowing

which we find is not the base, & therefore this -System is entirely laid aside). By Mostarvey Lothers indeavoured (about the middle of the last Century) to establish a beller System, hi treed many Export on Deferent ani anals a seys Mad in all his trials he never Jound the mule seed in the Word; others again who tried the same Typh say that they did feer. -ceived it in the avomb; he imagined likewise that the Ivaria were of no rese & underwent no Change by Impregnation; but we see very great changes on them after copulation. Mulare burst open a Mere es found a sub. stance which was not there before called The borhus Lesteum; This out stance is ever dent in the human Spices but still more in some other animals as bows which in Them was large as a Cherry; by examina. -tion of the Oberica after Copulation youll find them burd ofen a can introduce a probe ento them a according to the number of holes you can Determine the number of Hetuses Manfr Buffon says that the borfus Suteiem applears before Impregnation, but this is false for it cannot be perceived till after this time - Dr Hervey vays there is no appear.

- ance of the Pridements of the Falus for the first two months in Does whis near 1/4 of low their time & there is no apprearance in Prattests for the first nine Days were so about to of their time; In short he imagines that The Word has the faculty of bonkeiving es-The Mind has of Thinking - This Voficion es very famifull & om fro able & Mirely got few dr. no followers A Stanfor Du graaf tried many expts to es. tablish a depotom he confined himself chiefby to Rubbits as they go such a short times he examined them every 12, 24, 30, 40, key hours, but did not find the Audiments of the Amemal in the alteres, he thinks that Conception is awing to the ova in the Ovanew being impregnated by the male seed I the bodria were in the time of couplation portorated & were embraced by the Hallofreian Gubes which carried the Overn to the atterns. Mapaghines was so much convinced that this was the way that he confidently asserts it; but the Fallopeian Tubis are unfit for such a purpose Muy are wide towards the Evarior but open ento the atteres with an orifice Matican

scarce admit a hogs bristle of it is not easy to conceive that the Bourn should pass thro' them. into the atterus, I should think that it would be stoft in the Tube & thereby Extra Uterine folices would be more frequent than what they really are. 5th Survenhock, Indre de yearnened the Male seed by meroscopes & found a great number of Animalcula floating with it, these Anemallula were so small that a grain of . sand was equal in buth to 50000 of them they that that these Animalcula was the redement. of the future Animal; a that they were car. - ried to the avaria a afterwards brought to The asteries; but can there be any thing more abourd their to thent that of several mil. - hon of animalcula mecenied by the wes--man no more than one , two or three should come to perfection, the rest should go for mothers They linewise say that Generation ded not always happen after Bopulation, but that The semen may remain, several days nay weeks in the Uterus before it enters the Ovaria - hence altho a woman has not had communication wells her hurband for Ten

months before the Delivery of a Chilo, yet the Child may be her Husbands . but theo is ab : siero, for if the demen remains a day or two in the atterns it will become putred a unfit for Generation. 6 Monfo kufon defected many Ovario & he says that the Grandular toody or Corpus Teleum exists before lying with a man, he opined one of the Vesicles & founded contained a Leguor which he examined with the micros. cape & found the same Animalula floating end as is perceived in the Male Semen; he Thought that these Animalcula formed the different parts of the Unimal dwhen they. were mixed together in the Ulerus according as the Organic parts preveiled the fatus was male or semale a that the rest went to form the Placenta. These are the Systems formed of Generation. They are all attended with many Defliculties which cannot be explained but it seems to me that I toppocrales's System which is the most ancient is the most proba: ble, as the fatus resembles sometimes the father I sometimes the mother a mare da Sach as will beget a Mule; Me Granew contains vesicles. vesules, but that they are carried to the alle-rus in an entere form I think, is highly,
improbable. I imagine by the bursting of.
The Ovaria divestile the liquor is received to be allegion fully accounts for lettra utirine faluses
atterns where it is must with the male deed
a this accounts for letra utirine faluses
happening so rarely; it may happen sometimes that the male seed may go up further
a my with the female in the ovaria or
Fallofrean Jube so that the Falus will
remeun there. I shall now show.

The Soze of the Feetus from its earliest period in the progress to the krish. In It is impossible to ascertain the soze of the feetus exactly in every period, for you fine differencies in the size of Children when born, sometimes yould find one Child almost wice as big as another, so a deference will subsist likewise in the former periods; another bircumstance which prevents us from knowing the exect size of the Fatus is that we are never certain of the beginning of a Womans pregnancy & we cannot ascertain it with so much exactness as in other Animals therefore when a avortain thinks she has gone three

three months perhaps she has gone three months X a half or only two months La half; likewise The Tatus sometimes dies dis perhaps some weeks or a mother after this before it is expelled, it will then be as small as one that has not you so long by two months; The Quetining of a brill happens about the fourth month, not but that I suppose that the Child hais life from the begin: ning, but about the fourth month it becomes so strong as to make motions which are perceived by the mother a is therefore calles queckning of the Cheld; From all these weamstan. ces you see it is impossible to ascertain the exact some of the Falus at the different pieriods. Yould see in figures the sure of the falus as early as there Days or a week but hove are all Imaginary for there were never any seen so early, & in all all figures of fatuses they are represented much

makes a fatus of ane month to be I Inch. hus months to be 21/4 Inches, three months 31/2, four 5 Inches, five 61/2, Six 8, Seven 11 de. He makes them too large a des very difficult to meet with

larger than what they ready are; Mont Buffon

a fotus of one month, the youngest one I ever saw was five or box weeks old which is so small that in.

as the Child advances to birth. Deflerence between the Fature & Adults A has been a question among Physicians whether all the pairts of a falis are formed at the same fine or some parts before others; the only way to find out this is to examine the Faluses of Ourparous Animals, where we can do it every 12. 9. 4 Achours & see its progres; accordingly this has been done at is found that some parts are formed before other's dal the parts where large Herves go to are formed first; The falus when very young appears lita luro Vesicles, one of which is the Homain & the other the Spine, after their formation then the Ubdominal a Thoracie Vistora appear wenterfore the Abdominal Musiles & breast bone are formed so that in a falus young goull perceive them quite maked; We find two large Nerves go to the Eyes, so we porceine the ige's large a julling out very soon of there are lies considerable nerves which go to the lare hence they are soon formed I before the Secreth month are quite compleated Takal now show the Deference beliveen the The -las of Abutt. A Exotus when it comes to the full time is geinerally about 21 or 22 Inches in length, the head is larguen proportion to the west of the body

at tourth than in any after period, at borth it is a about the of the whole bulk but in a full grown her. son it is scarcely by of his bulk - Inta commen wh person there are Tendono whomas there are none to be seen in a faties, the difference between Tendons I muscles is that the muscular fibres in Tendons are more compacted. In the action of the muscles compacts them more, so in the faties the febres of the sendon are not much more compacted than then in miscles but by their action they soon acquire a Tentinous appearance. Another deflerence is. the Blood we fels in a falus are more numerous Than in an Abult; He sher in a folio is redish by these blood Stepels, but as they grow many of them are obalenated a My shin becomes whiter - hence when a Secth is applied to a young Child a greater quantity of wlood flows than when applied to an Balt a hence the difficulty sometimes is stoping the blooding in Children; the velsels too in young bhild are reder nof a more muscular appearance Than in the Abult, which in the last are whitish. Another Difference is in the Eyes. No Chils when new Born see any; some Physician's have inder. - wound to find out the bause of this a some as : without to the Aqueous humor being less in gream tity than necessary, but this is not the case fore The Eyes in New born Sphilaren are plumper than

in any after puriod owing to a greater proportion of The Agrious humor, ed May houance in years the proportion sleps of the Eyes become flatter & the dem me fo of night in old people is owing so this, therefore. they use honoex Classes to make them me better Therefore the blindness in view born Chiloren worst owing to this Courses, but is owing to a detalation of the Outile, when the Child wan the Ularus the Publis at rest a the delatio state so its state of rest of the rays of light make it contract, if a persons papil to delated where there we light we are divie he does not see, this we know whence Julia Serina begins; by the purpel being delated or when the offlee nemocis any ways affected this is the case we know that when a person has been in a dark place for some time of goes subdonly to a strong Light he cannot she owing to the pupil being Delated, & by examining the pupel. of a Child we find it is dilated, & Arriqueres some time before the pupil is used to contract by the rays of Light : Thus altho you take a bandle & apply is near the Child's liges. it will take no notice of it. There is another peculiarity in the lyes of theleven which is a membrane over the Pupil described by several anatomists as Haller Hanter & called the Membrana Pefullares

if you extract the brystalline a vitrious humors of the Eye of the folies a look thro the Gornea you will perceive this membrane, or by Injection you may fill its vefsels & thereby see it more plain for burth & it is best perceived in a faties of dex months . Inother difference between the Status. & Adult is in the Thoray, Me Lungs in a falus before birth are in a Contracted state whereas in an Soult they are always in a Delated state, but as soon as the Cheld is born the air rushes into the Langs & delates them - hence we know when a bhilt has been still born or born alive if we tohis piece of the Lings of a itell born Child athrow it in water it will fall to the botform, but of the bull has breathed the piece of Lungs will swim; this is an expt that probably some of you may try before prominal bourts where There is a suspecion of Chelo Murder; but ive are hable to fall into an error here, for if the sheld has been dead some time before burth it will - become putrio & the Leongs will owen in water, The way we know when this happens is that if The Lungs of a Child swimen water if it is pu trid the fleshy a muscular parts with swim like. = wise), for when putrefaction comes on the smallquantity of Air which is contained in them becomes

rarefied a makes the parts lighter than water a there by they swim; There heps the Lungs of still born. Children for a long time of until they become hubrid diohun thrown in water they sunt to , the bottom; but then this world to say that putind Lungo never swim, it sometimes happens that the Child is so putrid when born that it is three times larger than it should be den this case) the Lungs dimuscular parts will swim in water. Another difference is that in Children there is a large Glandular Substance that lies comme: dicitely above the Great repels that come out of The Heart, which as they advance in age it be comes always less untiller old aget is intirely gone, this is called the Thymus theonoists of two Lobes a long one da short one, part of it is wethout the Thorax but the greatest front is contained within it; We are in the Dark as to its use, we find upon equeering, it is whown a Milhy Legior . The next deference is in the Heart. There is a hole between the right and left Aurille of an oval figure & Mirifore called the Foramen Guall, it is in the partition between the right a left Auricle begushech the Balood flows from the right to the left Auriele but on the inside of the left there is a waler

which previous the solood from flowing from the left to the right auricle. This foramin is shirt up a short time after benth, incled there are some cases of the not being intirely shut up in Houlto a even in some oto people it is entirely open. The next difference here is that in the Gratus there is a banal between the pulmonary Artery & Aosta; In the Rould the pulmonary Certify divides into two branches one going to the Liengs on one side the Thorax & the other to The Lungs on the other side, each of these are again subdivided; but in the Fratis the Pul monary artisy devides into Mire, one going to the Lungs on each side the Thorax & the third goes to the Clorla which is called the bancelis Arteriosus, this after howthe which up as no fleuds then flow throat a vefsels soon shiftip if no flied's flow thro them; I have found in Suppries that it is always shirt up 21 hours after wirth. The next difference is in the Liver. The Sever of an Abult popelses the right Sypochondrius but in the fatus it Wakes up both the right of the lest Hypochon dreum & the younger the folies is the Leveris in a greated propertion, larger There was Deference in some of the vefores

There es a large respel which comes from the Placenta, pierces the Navel, mons to the hot. · low part of the Sever Kinds in the Linus of the Alena Fortanion Mus wone Deference as this respel after Mirth w formed into a Legument; as that respel or Wimbeleal vein who in the Sinus of the alena Fortarum, the Molovo carned from the mother to the Folies must me = ce jourily pass thro the Lever, but as ouch an great quantity of blood might have been aft to have stoped the bereulation in the Liver entirely & behowise it was necessary that this Blood should go sooner to the Heart than buy undergoing the Corestation of Muliver, Nature has therefore provided them with another vefsel which goes out of the Seness of the Vena porto. -rum where the Almbelical view enters, It runs acrofs the Lever & enters a large reful called the Vena bava, as the suefoll which is called the banalis Venosus is not much smaller than the Umbelical vien. The greatest fait of the Blood brought by the Umbelical weinto the Senus of the Vena Portarum is carried immediately by the Canalis Clinosus to The Mena bave which carries it to the heart The remainder undergoes the perculation

of the Lever. a then goes to the vena bava &. from thence to the Meart? This Counciles Clend. - sus is sheet up immediately after Burth. Another Deference in the Molood weforls is. There aire four Sheec artires, two External & two Internal, in the Soult the two External core the largest a the two Internal the smallest. in the Fatus Oney are the reverse the two ex--ternal are the imallet & the two Internal the largest: The Aorta seems to devede into 4 which are the Iliaes the two external on for tuses are smaller than the line Internal or Umbelical arteries - honce a reason why the lower extremities in Fraluies are smaller in proportion to the rest of the Body than in any after period of Life: Mi two Umbeleed arteries our along the Wladder, one on each side is go out at the Navel, twisting round the Umbelical Wein & go to the Placenta The next remarkable difference is in the situation of the Testes. In the Salus the Testes are lodged within the abdomen a the younger the faties is the further up they are they are lodged without the Portoneum about the such month they are in the abcomen, but fall always Lower & Lower & there is a production of the Perstonaum like a funnel thro which they fall to the Strotum, after which it which up and seems

seems to be distinct from the Personeum & to be a boat to the Secticle; in some Animals there is a Communication between the peritoneum & vaginal boat as it is not shirt up, but there is no comme. nication between them in the human Goody & asa proof of this we often find a great quantity of wa: ter in the Abdomen & none in the vaginal boat Mater in the vaginal boat a none in the abdo. men: Whewise in Hernia the Intestine does not fall within the Vaginal boat so as to be in contact with the Body of the Sestile; but on the outside of the vaginal boat; indeed sometimes this particular Species of Ruplure on which Mr Pot has wrote a Treatise over the bongenial Remie happens but Then it is only in a joing Children; In a Frates of I months the desticles are then so far advanced as tobe without the abdominal muscles & intering the vagenal boat. a in the 8 month they are into The Serotum. He do not know the reason why They should be in the Abdomen in the Faties. Some have thought that it was in order that these very Lender parts should not be hurt in Delivery which is along aft tobe done at that time, but it cannot be this for the Testicles are into the devotum before Birth. The only reason that can be given is that in the young faties the pelois is whall bely that means the Thigh's are close trogether so that there is no room for them or if they were there, may be

aft to be hirt, when about the 8 month the Theghs are at such a Distance that go into the devotiem with safty. The next difference is had in the Fatus There is a Twested being which wans between the Two Umbelical arteries, upon the Bladder, goes to the navel & ends in the Umbelical bord, it is called the Urechus, this is seen in the human fatus but better in the Features of other animals; what the use of this in the human falus is unknown for altho you press the Wladder of a bheld you will not inche a drop of alvine enter it, in Brutes it is more Distinct a the use of it more clearfor in them there is a tragat the navel called the Allentois a the Wrechus goes from the Wlad; der & enters it, so the Urine is conducted from the Wladder to the Allantoes by the Urcehus. The Bladder in a Folus is much more oblong. than in the Abult . These are some of the most remarkable deferences between the Falus & the Abult, some of them we do not understand & cannot explain, others are intended to make. a Deference in the birculation of the Molood of the fatus from the Adult. Nature you that the berculation could not be performed in the same way in the Falis as in the Doubt; in the abult the whole of the bolood is sent to the Lungs to-

receive some Improvement there, which would be un necessary to be done in the Fratis. as .there is no Bor in their Leings to make the newssary alteration, which if it was the case most Cheldren would be sufficiented in the words of their mother. I shall now describe the perculation of the Polood in the Felis. The whole bolood is carried from the Mother to the Fatus by the Umbelical recin which begins in The Placenta with an acqueat number of small refsels which join together to form dist pierces The newel , riens to the hollow part of the Lever Lends in the Sines of the Vience Portarum, so the whole of the Blood is lodged in the lines of the Vene Portarum & in the abult all the tolood wet enters this Sinus undergoes the birculation of The Lover, which of this was the case in the folis thewould be attended with Danger as such a great quantity of Blood cerculating thro the Liner may a stagnation of it & besides mature intended that This Blood which had lately received some im = provement in the Lungs of the mother should be conveyed by as short a way as possible to the Heart of the Tralus, therefore there is a banal which goes out of the sinus of the vena Por. tarum where the Umbelical vein entered.

refoch which enters the Aorta called the banalis arteriosus & the other half goes to the Lungs by The Sulmonary Arteries, & according to my calculation (which I do not mean to be exact)no more Man 1/4 of the Blood of the Body goisto The Lungs, the tolood is returned from Medungs by the Pulmonary Deins to the left awrell, from the left Quiricle to the left wentricle & from that to the dorta which distributes it to all the parts of the Bodya. The bureulation of the blood the the heart in an Adult is quite deferent from this, the Blood is carried by the Thena bawa to the night aurile, from the right auricle it goes to the right Ventriele, from That to the Islmonary arteries & is distributed Moro the Sungs, which is returned by the Pulmo: nany veins to the left auricle, from that to The left wentricles a from that to the Cortas which distributes it to every part of the Rodys To the most matterial Defference between the heart of a Talus & adult is in the first there are bevermstances which firevent a quantity of Blood from entering the Lungs.

Doctor Monro differs a little in his Calculation from Dryoung he thinks that when the Blood is carried to the might Quick that I've goes by the Foramen Ovale, a when it is propelled out of the right Ventricle that I've your by the Canalis arteriosis therefore

After the Blood has gone thro the Body of the Fatus, it is returned by the Umbelical arteries, one of which runs along each side of the Holadder to the naul & pierces it a twist round the Umbelical vein a ter: : minute in as small Branches as the Umbelical Deen began with & there is a communication be: tween the branches of the Umberical vein and Arteries , for of an Injection is thrown into the Um: belieal Arteries you may enject the Umbelecal wein - The reason why the Extremities are smaller d Pelvis shallower in bill ren whe: Ther male or female; than in any after period in proportion to the rest of their tody is that the Volood is carried away by the Almbeleal arteries which after Birth become smaller & the Exter: - nal Theres which are at this time small be : : come larger, a thereby carries a greater quan-- tity of Ablood to the lower Extremities . Hewing now shown you the size of the Fatis in its progress to Birth & the Difference between the Fatus & the abult a the Corculation of the blood thro' the Falus, I am naturally led. to show you The

one third goes to be distributed to the Lungs.

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The Changes the Uterus undergoesby prey = : maneys ! The first is with regard to its sone, an unimpreg. nated atterns is not above three Inches from the Bottom to the mouth a from side to side about two Inches or 21/2, but between the eight & ninth month of pregnancy it is in bulk between 40 & 50 pubic Cinches; the bottom of the womb gives way first & is stretched then the nech & the orifice Yyou examine a woman gani with Child Mrie months, you'll not know whether she is with Chile or not, for here the bottom of the womb is only Delates. The nech & the orifice area in the same state as if unimpregnated, we may judge by The weight of it, but the weight of the Etterus is not great at this time as the fatus is small & lephowise an unimpregnated atterus may sometimes seem a little weighty by being forefold upon by the neighbouring parts, indeed by the Uterus at this time being a little weighty & Some Symptoms concurring with it, we may quess her to be with Child; That when whe is fur-Ther advanced we may know at jurit sight, for between the 4 & 5 month the needs of the worth stretches & becomes shorter & Me orifice becomes Mulky

Moulny a soft. A by examining her, the weight of the atterns. The shortness of its neck a bulks mels & softness of its orifices will make us deter: mine almost with certainly; but the further she has gone in her pregnancy, the more cer = tainly can we Determine, soabout the seventh month youll feel the origin of the allerus like a ving, but no neck. Mefore I mention any more of the Changes of the alteres I shall apply This to Use. It is chiefly by feeling that we can determine whether a woman is pregnant or not, & this Delemmenation is often dary & necessary, for youl sometimes meet with wo. men who have some dymptoms of pregnancy dothers contradictory to it, if you think it a Desease wher to be pregnant; Bus such con fine her to thed do you may do her harm or if you say there we nothing the matter weeth her I get to be pregnant by her going about her usual business perhaps hard Labour, the will be ready to miscarry; now we deler whether or not she is pregnant by the exter. -mal Touch & Mr. Internal Touch External Touch, We Determine a woman not to be with thill if there is no cercumscribed

hard Gumor in lower part of the Abdomen (al-This per Belly is a little bulky) a if upon pressure of her abdomen even almost closs to her wack it gives her no Uneasiness, we may be sure she is not wit Chilo, for in women that are progmunt there is a circumsoribed hard Jumbs in the lower part of her absormen & if your prefort, it gives her great uneasiness as by The pressure you Delate the Uterus. Regard must be litrewise to the Bulk there should be at different times of pregnancy Thus you woman suspects herself to be sex. months gone with Child a is no begger than one of three months we may be uncertain, but Myon find a Distinct hard bercumseribed Tumor & uneasy to her whom being pressed we may be sure she is with brild winless other Dereumstances contradict it as the person -. being boor 10 years of age der. The Uterus between the Ad 5 month is above the Do Pubis, about the sexth month half way beliveen the Os Pules & Navel, about the owenth month of reaches the Navel, in the eight month half way between the Navel & Scrobeculum Cordes I in the menth month at reaches the Serobe -- culum bordis; this most commonly happens but this defined upon the structure of the Wo--man, if she is of a very broad make over the Pelvis & above it, at the minth month the Uter--us will not reach above the Navel, therefore

regard must be had to this ...

Internal Touch, Introduce one or twe forgers into the Vagina; some recommend the ... Introducing to two fingers as they Day by doing so we may learn things which we could not do with one, but as the introducing of two fingers may give pain a you can learn as much with one funger as two, it will therefore be beller to introduce only one; Now whether shall we use the fore or middle finger? As the middle finger is the longest it has been recommended as you can reach the Orifice of the alterus easier, but as the model funger is confined by the others, you will reach as far with the fore funger if not further, & you ought to accustom yourselves to doil with the fore finger of either hand. For this purpose you put the avoman in a proper position, she may either stand upright, sit on her knees or by in Hed, in common bases it is better to do it in Bed, but if in this way you cannot rightly reach the brifice of the Dagina, in this dother difficult bases the repright position is better, for

Informany when the woman lies on her back it will be a little Defecult to do it when she lies on her side, but after doing it once or luce it will become quite easy. I will sometimes hap. pen that you'll not be able to reach the mouth nor nech of the womb & thereby you can learn nothing, by the Directions that I have given before concerening the Touch, buit altho you cannot reach the Nech , yet yould be able to touch some part of the bos dy of it, a when you do you may judge whether or not she is pregnant, for whatever part you touch it is the most depending part, you raise the Uterus with your finger by which yould know its weight a guife at its some, but in this case it will likewise be necessary to apply the External Touch that we may be the more certain. Sometimes the neck of the womb is bying upon the Os Pubes a sometimes on the Os Sacrelm a according to which of these hap. -pen so the Touch from behind or before is the most preferable; if the nech of the womb besonthe Os Sacrum it is best to touch from behind, you entro: · duce your finger up the Wagina & when you come to the mouth of the womb, as the fore part of your finger will be to the os Sacrum a the neil of your finger will be derected to the Ulerus which so the most natural way of introducing the finger from

behind after you reach the womb beggour fenger in this Derection you turn it wir Me nail to the Os Saccrum & the fore part of your finger will be towards the mouth of the alterus, by this way you can judge better; when the neck of the womb beson the Go Dubes it will be best to touch from before, you must not introduce your finger horrorontally up the Vagina in this base, but you must carry up your finger as if dereited to the brim of the Os Pubis dyou can do it with your finger easily then you will be Ture to reach the nech, but if not easily, you can ful your other hand whon the Womans Helly & press upon it iby which you will force the atterns further down a can know with more certainty. Sometimes you will not be able to louch the nech of the wormber nor any part of it; in this case our only way left us to judge is the External Touch, if the is five or Set months gone you may feel the bottom of the alteres very Distinctly Miro Me Tequements. In your first treals of this operation you may often mistate The mouth of the atterns, a part of the womb maybe worn then, purhaps about the bigness of half a brown by the pressure of the Child's head, which you may take for the mouth of the word, but if you carry your finger a little further forward, you will feel a small part like a ving about the bigness of a Shilling which is the mouth of the Wombe, but a

tille practice will make you perfect in this . -Another Advantage received from the Touch is that you know in what manner the Child fore: sents , whether the head or any other part of the Biody; if it is the head you need give yourselves no uneasiness as it is the best way that it can. present; a altho the womb is openined no more than the breadth of a surpence if the head presents I know it plainly by its roundness, smoothness a narroness & of I press upon it with my finger & am sensible of the bones yulding, so I can dis. tenguesh the head from any other part : but then I cannot tell what part of the head presents by this amall part whether the Bs Beespeles or the Ofsa Parialalia; but this is a matter of in: : difference; you may know if the Head presents by the South a month before Delivery when the mouth of the Word is not ofen, by feeling thro the nich the smoothness, hardness, a round oness of it a you may be senseble of the bones yells - engupon prepure, but the more open the womb is with the more certainly can you deter-: mine; The only part which has a resemblanes to the Read es when the Chilo comes Double or the Bullock opresent, but then the Bullocks aromon soft, but sometimes they may become hard by The pressure, but then it is more unequal than The head & by pressure you are not sensible of bones yeilding as in the Read; but when the membranes are broke if the Buttocks present you will find the Meconium or when you with. draw your finger you will see a black who matter upon it which is the meconium, wheby frulling your fingerents the word & making as great a bercle upon the buttocks as you can with your finger you may feel the parts of generation of the Child; the Extremities can be easily distinguished from the other parts of the body but it is most difficult toknow whether it is a Legoran Arm, but this is of no consesquenes. but you may distinguish them by the fingers being longer than the Joes & when further advanced by the shape & some, the arm to smaller than the Leg: The Child may present in meiny other ways as the Back, Shoulder . -Porecast, Helly Ag. When the Buch presents a the womb is opined only about the breath of a helling you introduce your finger & describe as large a berch upon the Child as possible day

which you may feel the back bone. If the shoul:
-der presents, by woing the same method you
may feel the Arm or nech, if the toreast you
may feel the Pubs, if the twelly you know it by
the softings a by feeling the Almbelical bord, by
these marks the one part may be distinguish:
see from the other.

Another Advantage received from the Touch is that by it we know whether the pains are True or Halse. Homen going with their first Chilo often give false Harms, when they have any slight pains. The false pains are of two hinds The one when there are pains of the bolie hind which may sometimes be fixed in one part but these are easily known; The other hind has a greater resemblance, that altho they have Thouns like the Irue ones yet they have noethert. E.G. a Woman in the Infermary some time ago was for three Days inviolent Labor she had been blooded & taken Loud an um which did not in the least ease her, I saw her on the second day a put her to the Touch a found the mouth of the womb quite shirt. I then knew they were false & ordered her a larger Hose of Laudanum which easis her & she went three weaks after

wares before the trew pains sevilaher Always

Always suspict those pains to be false which come on before they are arrived at their full time, or those that come on with an evident house a without making progress or Mose that do not Belute the mouth of the womb; so . in these pains if we put them to the South & do not find the mouth of the word Belated I that the Head of the Child does not freels against the mouth of the word, we may be sure they are Julso a we must therefore support his as much as possible duse Meeding Injections a Law · danum which will ease her. Another Advantage from the Touch is Mat by it we discover some Diseases, Thewe mentroned them before as Polypi Severhus and fancerous Tumors des. when they are in the mouth or neith of the womb, or wagena, we can easely discover them by the Touch but when the arise from the Rottom of the womb we cannot bey the South untill they be come. very Bulky a large so that they may ex-Fend to the neck or orifice of the Womber or by its weight we are oure there is contowned on the womb something pratinational.

I come now to mention another change pro: = duces on the attirus voi Its Muchnessor thumness. Physicians have had disputes whether the-Ulerus by impregnation becomes thick or this The arguments that they have used in prove of its becoming thenner are Tot from the analogy of other parts . Thus the Whater by being Distended becomes then: ner a also the Homach by being Distended w a full Duet 2 The motion of the Child being so plainly felt which if the atterns became thecher they say could not happen; but this is owner to The parts of the absormen being stretched more Than usual & by the Destettion the motion is more easily communicated to the external path, Thus in an Ascitis when the belly is much Distended you'll be sensible of the land. fluctuation of the water by furthing your hand upon Meer Melly, litewise when the Teguments are Distended they become thenher Therefore this accounts for the plainess of Jeeling the motion of the Chilo 3° The atterns is sometimes ruptured; but of Me Otterus was as then as they say the Ultirus

would be rupture much oftener than it really horphens. As to its becoming theher one wery liable to be deceived, for if you examine an Ulterus two or three hours after Delivery, you will just it three or four times thucker than an unimpregnat ei Allerus & thes has made some think that the Uterus becomes thecher by being imprognated. but in this case the alterus has contracted a good deal & in proportion as it contracts it becomes. thicker, but if you examine the atterns of a Woman who has Died before Belivery & before the membranes break a there to be mo flooderig) the atteres is found to be of the same thickings in is as in an unimpregnated one; the atterns contrack impredially after the membranes break das it contracts it thickens in proportion, but when it contracts to its utmost. Then it gradually becomes thenner until at last it becomes the Serme no before. The alterus is sometimes thick in some parts of then in others which is owing to the Child's head pressing wpon the allerees to the makes that part thenser - Woman are very often worse in delevering a Child when not come to the full time theen when come to the full

line , for in the first case the mech of the womber not so much bleated as in the last, therefore it will require a greater Exertion in the bottom of the winds to overcome the resistence which the nech gives in the first case, as the resistence in the first w greater than that in the last by not being son much delated. Another Change for course on the alterus by Impregnation is the great size of its belood vel: - sels, if you exemine an unimpregnated Weres you cannot see the Blood wefseld in them they are so very small a effect examine the internal membrane soull find is very smooth an few small perforations in it; But the refrels in an impregnate attenus are very large the internal membrane is rough duniqual &. the viens much distended especially where the Placentais allaches to, there are Serpentine Arteries which end in the Deins and are small in proportion to hume; if any of these water ries are Injectio, the veens may letiewise felled thereby . The great size of the velsels of the Ulerus motres it mucher in the emprey. - natio state than what it ready would be -Another change on the atteres when emprey: = natio is the addition of a memberane is harops away after Delivery & shall be spoke of afterwards

These are some of the most remarkable changes produced on the alteres by impregnation. I shall now speak a lettle of the Cathetir win you had used upon a Swing subject lately r The Catheter you used beed a mumber of small holes which is wetter than having two large olits as it gives less frain to the patient, for allho the betheter was used more than 35 times uponthe Same woman in less than a quarter of an hour get she had no pain from it : the batheter I use is straight we answers as well or rather better Than if there was a crook in it - When you have once entired the Contheter into the alrethre you must neither push it upwards nor downwards. but straight horrisontally . you may often meet with greater resistences than what you met weth in that waman as there may be a straitings of the neck of the Voladder, but of you meet with this you may use a little force by with you will overcome set sometimes when en Labour The head of the Child may press against the nich of the tolador, so that you cannot introduce the sa Mutir Ayou cannot easely push back the head of the Philo, but it is seldom necessary in this case unlife in a Difficult Labour, when they have been been Ashours in Labour & you cannot deliver her by the common method so that you must use the Grotchet; a by the Child being so faredown-ced soas to pre to upon the mich of the toladow or Alrethra so that she has not made water. incell that time, you must draw of the was to from the toladder before you use the Grot-chet in order to make more room, therefore you must push back the Child & free the mech of the toladder of its Compression & then intro-fouce the Catheter - This is a Digression. I shall now speak of

The Placentary

The but is connected to the Mother by means of the Placenta or after tourth, a has got this name from the resemblance to a Cake a the fatus of every time -made has a placenter; whether they are vivificans or Oriforous; in the last the Yolk answers the purpose of the Placenta; there are great view - ches in the form of Placenta's . The Grammini worous Animal's have placenta's of the same form among themselves but different from the human, the Overparous animals have placented of multipurous animals have placented of the multipurous animals have placented of different and different of the multipurous animals have placented of the multipurous animals have

deferent from all the former . in the Grame : nivorous Animals or those who chero the bud there are a great number of placenties as the Cow who has between Sixty x seventy placento's d in the Ew More are rather a greater number alho they have but one fatust. In the Multiparous Animals as the Sow, but, buting thereis a placenta for every falis, but in the human-Body almo there are two fatus's they have no more than one placenta .. The placenta's of Carnivorous Animals differ from those of any other Animal; but I shall have occasion to speak of the deferent forms of placenters of Deferent Animals afterwards, a I shall confine myself at present to the Human Placenta. There has been great desputes among Physicis and about the formation of the placenta. Dr Simpson Mentes that whatever part of the sho. room comes in contact with the fundus alleri that that part is formed into the placenta & the falus when very young wast were covered. with placente hagain he says that in herlifer: ous Animals there are a great number of Glandular substances in their wombs so that whatever part of the Chorion comes in contact with

allowing this paranchy matous substance to feetrify a then nothing with remain but velsels. The Placenta how two sides or Surfaces, the one is unequal & seems to be composed of many pla centula; it is it which is connected to the allerus Athese inequalities of the Placenta conswers to other inequalities of the alleres, so by this the -Queenta adheres more furnely to the alleris; The other surface which is next to the Child is quite smooth. The Placenta may be devided into three different parts out the Cake, Umhelical Good of the Membrans. The Cake is Anchistin That paint where the Umbelical Good wfeyed. & grows gradually thennes to its edges . . . , The Umbilical Good is composed of three vels sels in the human species, but in Brates is composed of four out two veins & two Arteries, but in the human species a large veen & two Arteries, Miswein arises from small branches in the Placenta it pierces the navel & runs to the hollow hart of the Lever; there sometimes appears like knots upon the bord which wow. ing to the respels being distended with Blood by a Compression being made on them . -The two arlines come from the forter druns

also there is a Gelatinous substance interspersed between the humb ranes which adds greatly to Their Elasticity. The Umbelical bord is of different lengths, generally about three quarters of a yard, the aim of such a great length is to allow The Cheld to pass with more ease, for we see when The Good to livisted round the Child so as to make it shorter, we cannot deliver it with we have freed the bord from the Child. The Umbelical Good is attached sometimes to one part of the Placenta & sometimes another it is Sometimes attached to near its edge a sometimes in the middle, when the last is the case it is wemy Defect to come away as when you pull The stress esequal upon every part of the pla: centa which is allached to the alteres, thus if you take a round prece of Leather a fix a string to its center & after moistening the Seather to class it whon a stone, you may vaise the stone by the string, but if the string wonot fixed to The benter but to one side, it will easily come away Lyou'll not be able to raise the stone by the string); therefore when the Umbelical Good is attached to the middle of the placenta it is more diffielt to come away, a if you pull

rashly you may full the bottom of the alterns outwards or invert it; but the bord is seldom attached to the middle of the Placenta dis most commonly about 1/2 from its selface, in or:
-der to come away more easily.

The Membraned are two vist the Chorion and Amnios. The Chorion is the external membrane & huysel says it is composed of two boats; one which he calls Filamentose becaused to allached to the atteres by small threads or felaments, but thes does not be =--long to the Chorion, but is a membrane wet belongs to the atterns & grows on the inside & falls of after Delivery. The Chorson has a great number of sufsels both in the human Species & in Monites, so that you cannot put down the point of a fin without touching. some of Mum; you may see this by examin: ing the Chorion of a Chuck when it is come a good length, where you'll see them distinctly; The Chorion is so contrived as to line the inner part of the womb - The Amnios lies within the Chorson & lines the whole of it; they are so closs together that they seem to be one mom: - brane, unless you take a blow pipe a blow between thism, then you will perceive that they

They are two membranes; on the Amnios there are very small wefsels in the human-species but greater in Wirds; When you examine the membranes the amnies so the Ostmost as they are inverted, for that side of the Clacenta to which the Umbelical cord is attached is the Innerside, but when the placenta is pulled away it buomes the outermost. These membranes somitimes comes away in large porhons a sometimes large portions come away with the child & cover its whole head so after Delivery May must be immediately taken away to allow the Child to breather: These membranes are very Tender so that one would think that they would easily break, by the least stress of The smother; but they are not so easily broke as one would imagine & there is a very good reason for it, the brorion exactly fit the intermal membrane of the Ulterus, so Mat of Meris any streps it is upon the sides of the alleres & not on the membranes, E.G. if you take a bladder of fell it with air & surround it with heather very exactly a altho you hick it up a down you will not break the kiladder untill you first burst the Leather, as the whole of the strepes whon the

108 Leather so this is the case with the Utteres . . but since this is the Case how does it happen that these membranes break before Delivery. The Preason we this, the natural consequence of In houns is to delate the mouth of the Ellerus so when it delates that part of the membrane with is opposite to the mouth wants it support das Theresistence is less here the membranes will Delate & become thenner of will soon break. in the human Species there are only two membranes but there are three in Morutes vist a hay called the Allantoes additional A us a Olicervoir for the Urinera it grows larger & contains more Liquid according to the Falus growing older it has a communeed too with the Unechus which last has a communication with the Wladder so the Wrine is conducted from the Whadder to the. adantoes by the Circhus; In a Mare it is about eight or ten feet in lingth & ateach extremely There is a Contracted froint, in each of which there is a fleshy substance called Hypomenes, the ancients thought that these fleshy substances were to be found in mares anly & was thought a strong poison see auvenile in his 6 datine. Month Debarton has

has found these fleshy Substances in the contraction extremities of the Albantois of every Animal & is nothing but the Sidement of the Wrene. These membranes contain more or less a gran: tity of water, commonly between 20 or 30 English pints; Various have been the opinions about its origin - Some thinks that it is the Persperations of the Haters, but if this was the base the quantity of waters would encrease according to the encrease of the fatus which we find is not the base , for there is a greater quantity of water about the fourth or fight month than afterwards . Where think that tis the arine of the Hotis, but this is not The Gase for we find it in great quantity be: for the Urinary Organs are formed, likewise it is in greater quantity about the fourth or Just month Man afterwards & in Cases where the Urenary passage has been shut up, the water hoas in as great a quantity as usual. It is probable that this water undergoes a perculation, that it is deposited by particul lar vefsels & taken up by others & in proof of this when the membranes break in the

time of pregnancy the water will flow for some weeks constantly, owing to the water as soon us it is Deposited running off, but I never saw a base where after the membran. broke d the water flowing for weeks but what they always onescarried, I have had More Cases of this one had the flowing of the water two weeks before she muscarries, the other three weeks & the third Sex weeks, so when you meet with a base of the membranes being broke & water flowing for some days & the membranes not seeming as if they would shut up then you may be certain of her mis. : carrying; Sometimes altho the membranes break if they dry up they will heal & the per: - son may go some, month o after this. This water is of use both in the time of Pregnancy & Delivery. I In the time of Pregnancy . When the folis is small & Sinder . The least compression will

hurt them, so the water defends them from any Compression or hurt I we find that the younger the fatis is the quantity of water is in a greater proportion to their size than afterwards, indeed it would be very income night;

= ment if the water encreased in proportion as The fatus grew indeed the person could not confound all, but when the Fatus becomes older distronger there is not any occasion for a fine. portional quantity of water of what it how before as it will not be so easily hurt. It also prevents the Fatus from passing to the mouth of the womb a irritating it which would foro. duce its Expulsion. 2º It is of use in the time of Delivery. When The Membranes break it does not flow out all at once but slowly, thereby it lubricates & softens the parts & makes them stretch better so as to allow the Child to come forth with mon case. There has been another use ascrebed to this Liquor by Some vir Mat it servisto Nouresh the Fatus. tout I will have occasion to speak of this afterwards. Of the Maccola in Brilles Those Animals who chew the Gud have a great number of Placenta as the Cow, who had a great number of Colydons or Glandular substances in their alteres & from each of these there to a pla: centa which grasps it firmly; the placents of

of a Lamb cire more numerous than in a bow which in the last are in number about 60 or 70. Altho in the animals who chew the bud there are a great number of Placenta to one folus yet in Multiparous Ammals there is only one places to to every falus, The placente of a pufpice resombles very much a boels, the placento is in The middle of the membranes at each ind, a mouse has a placenta of the same form & has one forevery gales - My looking at the Ulerus of any animal you'll eastly know where the pla: unta has been allached, by the largeness of the bolood refoels. In some Animals the placen: to has not so much the appearance of a fleshy substance but is thin like a membrane. this is the case in a Mare dina Sow. Thus much for the variety of the lacentain Animals. I come now to show your In what manner the (Glacenta) is connected to the atterns. This has occusioned many Desputes among Physiologists & Anatomists There are two opinions of which of them is the gright is the night cannot be easily determin. The two deferent openions are

I Some imagine that the welsels of this Placenta. anastamose with the vehils of the Ulerus and thereby a perculation is carried on between the Placenta & attereis. In Others think that the repels of the alterus & Slacenta did not anastamose but that the Placenta herry a flumentous substance absorbed lequors from the atteries I shall give you some of the strongest argu : wents for each of these opinions & then we shall determine which is the most probable & I shall begin with giving arguments for the I That the vipels of the Utions & Placenta anas: Tomose with one another --1st They say that there must be a communica. tean of the Blood respell of the Placenta with-The allines as there is a flooding after Delivery. But it is easy to show that there may be a flooding after delivery & yet no communication of velsels. I showed you that the veins at that part of the Uterus where the placenta is attached are greatly distended & that the Internal membrane of the atteries is perforat. ed in many places & the veins communicate with these Perforations, so that while the Placenta

1/4 Placenta is attended to the atteres no blood can flow from these orifices as the placenta shirts. Them up, but after the placento is taken aways The orifices are open so that they blood freely of these orifices would continue parent for some time every women would be in Dunger of dising of the Hamorrhage as these orifices are very large immediately after the Olecenta is taken away, but this is prevented by the atterns con? tracting as soon as its contents are expetted I by The Contraction of the atternes the orifices are short up . Therefore the Flooding after Delivery is no argument in proof of the rey. - sels of the Placenta & Ollorus anastomosing) with one another.

2 By Anatomical Enjections, This is the best way for proving the Communication be liven these wefsels a preparations have been made of the heefsels of the placento being fill by injecting the refsels of the Alterus, but however these preparations are seldom to be made. My fowher says that he throw mer. cury from the Epigastrie Artery into the Unbelical vein; others have thrown sourcury from

from the Carolia Artery into the Umbelical vein which is much the same laft; Some by infecting the Allerius have felled the reefsels of the Placenta dothers by injecting, the Placenta have filled the wefsels of the alterus; Albunus says that he has seen the small Serpentine Arteries of the atterns terminate in the Placenta & says That he has often traced Mum from the one to the other, & Dr Hunter has made preparations where the Placenta is injected by injecting The refoels of the alleries. This therefores a very strong argument in favour of the wefils of the Placenta anastomosing with the ressels of the Ulerus. 3º There we no instance of any accretion be = · lucen hoo Bodies, in the animal body butby means of Molood vefoels. The accretion of the Shin to the grustles wan this way, that be-- side the bellular amembrane which is be tween them there were a great number of repels which go from the one to the other . ~ This thewes to is a every strong argument in favor of the repels unasto mosting. A' By culling the Umbelical Cord a greater quantity of Blood will come away man what

what the Umbelical bond could contain but you never have an apportunity of Examining this for it never happens but that after the Delevery of the Child the Uterus contracts & so great is its contraction that out one drop of flows but what was contained in the Um. believal bord so if you suppose that the Um: - beheal nefsels could contain five bunces of Blood, no more then five Burnes wed com away; It is by small neefsels that this and : tomoses is formed so that a very small con: traction well stop them. Therefore this that is idvanced never happens. 5. The arefrels of the Child have been found empty in Mose Cases where the mother has Isted of hamorrhages. Wit there has been various accounts of the matter . It. Says he says a Woman in her south month the of a ruplure of a large repel in her aboo. mend when he examined the Child there was not a Drop of holood in it: There are again bases quite opposite to this, that altho the mother died of a homorrhage the falus was full of Molood; Jones int of the head of a Bitch with puppies of I found the puppies had as much Blood as usual, Therefore

there can be nothing deduced from this argu mint. The only arguments of any force for this Opinion are the instances of the placen: to being filed by Injecting the alterns and Vice versa. A lineaus & Mere being no instance of the accretion of substances in the humain Body but by means of Blood vefsels. I shall now give the Arguments for the ropinion wit that there is no communication. between the wefsels of the Uterus a placenta and Thereby no Generation between them. I The wefsels in the impregnated allerus are of a great size a if these communicated with the repoels of the Placenta it would very easily be. discovered. But this anastomosis wnot by there large but very small ressels. 2º By the former opinion if you feed an ani: med with Madder the Mones of the Holus should be tringed with, which they say does not happen; but here the one does not follow. the other & Physicians have been divided about this, some say that if the animal is fed with madeer, the bones of the Fature is linged by it. Others again say that the bones are not tinges Therefore this argument proves nothing)

3 They say that of the former Opinion was true the Placenta would not be so easily separated from the allereis; but they do not consider -That the force of the Uterus is very great for by its contraction the placental will be sepa-- outed from the alteries, by it separating the coefsels. Therefore this argument has no weight. I'm They say that if the former openion was the Case, the Fatus whould die as soon as the mather but they say this is not the base for the Child may live hours after the Death of The mother; this is not the Case for the Child dus soon after the Mother a Mure is no Case well vouched of the Child living any time after The Death of the Mother. Therefore this argue : ment is of no Use. 5 They say that if the former openion was feet The Placenta when it comes away should be covered with Blood; but this proves nothing for the refsels are small d by the contraction of the atteres they are stopt a any that maybe on it may be taken of by passing from the Ellerus. Thisi are the arguments on both sides. Therefore it would deem that there is a Communication between the refuels of the Atterus

atterns & Placenta or a Gerculation of Molood carried on between them by their small vefsels anastomosing with one another. I shall now Consider the Use of the Placenta. One also is to absorb Siquers from the allerus & to make it fit nour when the for the Fatus It is hardly possible that the Placenta should be so large if it was only to carry blood from The actions to the Falus & likewise we find a paranchymatous substance init which makes the most considerable part of it and certainly this substance must be of some use we may be taught to think so by considering the great resemblance to other parts of The body thus in the Lever there are a great number of Blood wefsels & Whewese a paran. chymothous substance which secretes the Hole & the Hidneys have a great number of Blood refaels interspirate thro them & also a substance which separates the alvine, do we may conclude that this Paranchyma: tous vulistance is of some use that it absorbs Signors & changes themento proper now: = responent; Where the placentous attached to the atterns the veins are large & there are perforations

perforations of the Internal membrane which the veins have a communication with a in which they pour Sequors which is absorbed by the Pla: centa a made by it fit for noureshing the fatus; This appears more evident by examining other Animals, for if you squeeze the bolydohs of a low a melhy Lequor with come out: My this you may account why any sudden accident befal. -ling the Mother does not affect the Chilo. The reason seems to be because it does not hunder the Placenta from absorbing the Liquors & changing them into proper nourishment; denthe same way you may account for a healthy stout Child being delivered by a wo: man labouring under a Chrome Disease. Cerpaps it is in this way that we explain why a build leves a little after the Mother Dies as The Placenta may absorb Sigueors when the. Woman is Dying & change them, but when There are no liquor to absorb the Child will soon Die. We may likewise account why the refsels of a fatus are full of Blood when the Mother Dies of a Hamorrhage, as it is only small rufsels of the Uterus a Plaunta that ancistomose together & the Blood will not

be drained from the Child by taking it from the mother, but the Child will sook Die when There are no fluids for the Placenta to absort We know that it is need pary for our health that we should have supplies of new Chyle I Ma younger we are the queher our supplies must be as the Demand's are greater thus we see a bhild on the Breast must such wery little while & when in the womb it must have quecher supplies, therefore of any thing will interrupt the preparation of the fluid fit for the Nounshment of the Child for a short time the Child will Die. Therefore it would appear that this sprongy substance of the Placenta absorbs Liquors from the allerus changes them into proper noureshment for the Child a is then carried to the Fatus by the Umbelical Nein a this is its princepal Use). This leads me to consider how the Child is nourished in the alterus, there have been two Opi: nions intertained of this word by the Almbelical bord or the Mouth, you may see both these opinions carried to a fall length in the 1'22 wolume's of the Eden Medual Isays. Mout it is certain that The Child is nownished by the Umbelical bord for

we have no Insance of a Chile being born without The Umbelical bord but we have Instances of Chile ren being born wanting the mouth & there is a great presumption that the Falus cannot swallow in the womb a I have opened many Children but could never see any of the Leguar Amnie in the Stomach & Intestines; the Late Dr Monro book the atterns of a low which contained a fatus, made a small opening & felled it with milk then he prep - Ed the alteres in order to press the milk into the Sto much of the fatus, but when he opened the. fotus he found no mulh in it I hence he concluded that the Fatus in altero could not swallow, but there is a Difference between the Dead & Living animal & do not doubt but that sometimes the folio may swallow this Liquor but that it nowrished by it is very abourt. Therefore the Fatis is Noureshed by the Umbelical bord. I shall now speak of

The Valure of the Monstrual Flux This is a subject which altho Currous & important yet no light could ever be thrown whom it by anatomits d'are not yet thoroughy acquainted with the Structure of the Ulerus I This is peculier to the human Spices alone; so little do we know of this suppert

subject that we do not know whether the toloco flows from the arteries or veins of the Uterus Dr Adrie Something in the Structure of the alteres which he ascribes the Minstrual flux to; he says it is easily seen in the Ulerus of a Woman begur Child by taking of the Internal membrane he says behusen the anastomoses of the Ejugastree artery Deins there were repels which he calls lend Appendices which when distended ofuned their mouths a poured the bolood into the bavety of the Ulerus a likewise there were Mermicular or Mil. thy refsels which separated a milky liquor from The atterns, a they have a Precervoir from which There is an Excretory Duct which perforates the -Internal boat of the Ulerus & deposites at times the Melhy Lequor into the Causty of the alteres & There are Lymphalus in that recervair which at. - sorbe the finer parts of the much a carries it to the Chyle. My this structure he explained the Minstrual flux, that Me Wina appendices required sometime before My could be distenced I when distensed they poured the belood extelle Carety of the Utteres. Allho

Altho we know so little of the nature of the men: - stoned flux yet it is neefsary for a person frac: tising Mowifry to know as much about it as any other person atherefore I shall now treat of The Menses appear at the end of every Lunar mond or 28 or 29 Days; Physicians defer about the place they come from, some say from the Vagi. na because there are instanted of women who were hanged having the bowety of the Vagina filled with Blood & the atterus free of it; others say that it we from the Ulterus for by defrecting women who have died under their Courses, an quantity of kilood has been found in the Ulinus; The Flux sometimes comes from the one & some. times from the other, but oftenest from the Whereis; Thave shown that the Epigastre are -tery which goes to the Uterus & religiona anas: Homose with one another so when the respelsof The waying are Distended & break, it prevents any flow from the Utteres & all goes by the wef: sels of the vagina. hence women who are pregnant & the mouth of the Uterus shut up below sometimes a flow of the Menses. as it may come from the Vaginer. MomenMomen in warm flimates menstruate sooner than Mose in fold blimates; in this they begin about the 13, 14, or 15 year, but in Warm Chimates about the gor 10 year; the Climate has a great effect upon the flowing of the minous of the bolder The Climate is the longer they are in beginning. to flow & the selemer they flow thus the Womenen Sapland have not their menses above twee on three a year in Those who begin early as the gor 10 year, they leave them soon, about the 300136 year a in Mose that they begin about the 13.14 or 15 year have Mem longer, till the 45 or 50 year Those who have many Children they leave soon: er than those who have few . They generally return every 28 or 29 Day, in some it returns in three weeks, but then they are in a Diseased state, but when healthy it is every Sumar month. In their Duration May are likewise very variable in those people who are strong stout & healthy they are shortest about two or three Days but in Teneer Delicate Women My will continue of or 8 Days. The quantity evercucies at each time to likewise Deferent in Deferent Women the are uncertain as to the greantity, Suppocrates Jays that it is commonly about yxx at a time

126 I some of the Hoserns have Thought the same as Discend, he says that there are yx accumulate in the alterus every Day what Me 28" Day well amount to yx tobe evacuated; what the quan: tily is in these warm Chimates I cannot say, but here it does not amount to 1/4 of that quantily, in a healthy person it is not above 3 III only dreery seldom it is y, but it is not easy to ascertain The quantity as the way we know is by the num: ber of cloths wet, or on the strong Probust women who have thick tolood altho They menotrecate the same quantity with a Deluate woman who has then blood yet she will not wet so many clothe for in the first the Blood clots whom & does not go thro'd in the other the blood runs thro'd makes a great show. The ancients too Thought Mat it was the worst of the Blood we was evacuated & Merefore mought them health -full - but this is a mistake for it is the same with the nest of the Blood of the Body I shall now give the orienous of deferent dution of the Cause of the Menstrual Flux -The most ancient opinion is that they though the moon had an Influence on Momen & course them as it returned at the end of every Lunar period

period, this was not only the Openion of the ancients but letrewise of a Modern word Dr Mead see his Iventive entitle De Imperio doles a seno, but of this was the Case Warnin of the same Climate a lige would mindruate at the same lime), bilt this has been tried in Minneries. where there are many Girls of the vame age yet they menstruated at different times, I we find Women Menstruate every Day of the moon which would not happen if the moon habany Influence - They likewise thought that the moon has an effect on the Lochio a thatbuloren were horn at a certain time of the moon but I have tried there in the Lying in ward in The Intermary & hept an account for some time but found that Children were born at any bon day of the Moon & any Day of the year. Merefore This Theory is very justly land aside. Another ofunion is that it is occasioned by a particular Fermentation. About the begin rung of the last bentury they inceaso with to Explain every thing whon Chemical principles L'explained this by fermentation, as fermin. ration carries of all Impurities & hursts open vefsels; but where this Herment was lodged They could not say, some thought it was in

the Ulerus & others in the Ovaria des But they had no sound ation for this heavy A more general Opinion that prevailed is that it was ourengto a General Dethora meter and another is that this General Plethoro brought on a partial Methora in the Alleries These Openions of present prevail & I shall therefore consider each of thim & give the Arguments for them & I shall consider I The General Plethora 1 They say Homeneine weather thein Men dare Therefore more Olethories, because in them the momentum of the Blood, there wond such a quantity propelled to the exerctory & Secretory arefsels & consequently more relained in the large vefsels & Merefore more plethorie. 2 Homenuse less Exercise Man min deve know that every Person becomes lighter by exercise, therefore they are more plethorie than men shall answer these & linguments? The Human Mody is in various states & very changeable sometimes light & sometimes beavier live know that every thing that fre wents the taking in of Aliment will prevent his plethore from taking place; a woman of a Seventury Life has not such a great dis-- charge by the Secretory & Exerctory Organs

ast person who uses Exercise but then she does not take in 1/4 of the Aliment that that person does, therefore in order to prove a pleto na they should compare the Ingesta with the Egesta defeneether case the Egestabe as great as the Ingista ino plethora can happen. Again we find the human Mody is hable to many Accidents to prevent this Rethora dyet the Menses flow at the usual time, Musa person having an Acute Biseuse as a Pleurisy after a flow of the menses for which she is Several times belooded & other Evacuations used yet of she recovers properly the menses well flow in four weeks afterwards, Therefore we can scarce say that these arguments can prove a General Cushora & Mure is no Expt Mad can show that Women are more Sethoric Moun men, by their arguments females of all hunds are mon plethoric Men the Males yet no animal has The ministrual flux but Momen 3 They say that Momen are generally at their Ceme before the Minstrual flux appears d as there are fluids prepared for their encrease of growth, when they arrive at their acme - a greater quantity is prepared than what There is vecasion for a Therefore There is a superabundant

a great quartity of kolodo is determined to the threath; Momen after Delevery altho there is a flowing of the Sochie yet in four weeks after the menrie flow, the Lochia one would Thenh would take of all General Plethore L'accidents at this time Llose agreat quantity of Blood by Ild. de. yet this does not prevent them returning at their usual time. There is another Local plethora which happen to women about the There day after Delivery that is milk intheir Toreasts of which happens to every woman Offer Delivery das this Local plethora haps hens inmany parts of the body why not may we suppose the minstrual flux tobe owing to the Course! It wonot easy to are= -colent for this but I shall give all the arguments whave been used to prove it. I They say the Local plethora happens because The Aorta Descendens is larger in Womenthan in Men- but if theo was the bause, when they begin to flow why should not they continue while the person lives? between we see the -Jame thing happen in other Jemale Unemals & yet no animal have menses except those of the human species. \_

2. They say that this Plethore happens in the Ute. rus because the veins want valves, but there are many Meins besides those of the Ulerus that want values & why does not the plethora happen in \_... these parts as well as the alteres: 3 They say that another areumstance which con -duce to this Plethora is the plyableness of the Lax : ity of the ressels of the alteries, but this is not the base for they are as form as any other refsel of the Body ... Is They say that the alteres es in the warmest part of the today & thereby a plethora will be induced there, but if a Thermometer was applied to any other Internal part you would find that the Heat would be as great there as. in the atteres. Therefore we cannot give argu-=ments 40 prove the existence of this local platho: -ra - Some say that the Uterus is more lan I has more bellular Texture than any other viscus; but this is not the case for it is astense as any other - Subwisse that the arteries are in greater proportion here then in any other part. but this is likewise false - likewise that the boats of the reefsels of the allerus are thenner than any other; but this is not the case, surely the Coats are not so thin as the Plexus Charoched.

Whereise they say that the largeness of the Cas vity in which the atterns lies contiributes to this Delethora; Indeed men have not so large Pelwises as Women but then therefold in the Silves of a man have as much boom as Mose in a avoman & Merefore this argument is of no weight; if it happened that the repels in The Pelvis of a man wood bonfined, then this ar: Jument might have been used. Therefore al-The this may be owing to a Socal plethora get it cannot be proved. I shall now show Tome The nomena attending it I give the reason why the refsels did not transmit the blood until a certain age or show how the Minses. do not appear antil the 13.14 or 15 year . -We find that every part of the Body requires a certain time before the come to perfection thus en young Chiloren there is the reidement of the Seeth under the gums, but they require a certain time before they become so haird asto cut the Gums & make their appearance; likewess the same with regard to the Seminal wefsels in the Hale, altho the respels & Stestes are the same from the beginning, yet it requires a certain time before they are fet to make that Secretion which makes so great Changes on the System &

this does not happen till the 12, 13 or 14 year Therefore we may say the same thing of the atteres that it requires a certain time before the wefsels can be unfolded a distiended with Blood I thereby be burst open a no one can view the system but is sensible that some wefsels re quire a certain period before they can perform Mir office. What is the Reason that when they are once begun Whey do not continue thro the whole of their Sife! Perhaps the final Cause is that as the Menstruel flux is designed for the Generation of the Faties & women when they become als they become unfit for this purpose Murifore the Menses leave them that they may not become pregnant in un Improper time of dife. That the menses have a great share Howards the Generation of the Fatels I think io quite osvious & plain to every person I never saw a woman who never had her menses be-= come pregnant I lately had occasion to exa : - mine a woman who hower had her menses -The was married & never had any Children & was very healthful, I found her vagina. weis shorter Main bommen & I had be presung - tion that she has no atterus; inseed it some = - times happens that a woman may have More or four Children one after another & she

she never have a flow of the menses between Them, after delivery be her giving such and at the time that the menses should flow, she become again Pregnant & stop their flowing & so on of the other Children. Therefore as the menstrual flux is for the Generation of the Fatus, if they were to continue to flow thro life women may become pregnant at a very unfit age for Delivering Baldren. This is only the Final Course, but it behoves me to give The Officient Course of this. It is evident that when the menses come on that some force is requisite to open therefoels - as in young women there is a great momentum of the Blood & the doleds are released so that the respels may be easily opened, but in a Woman of 40 or 50 the vis with is lessened & consequently the momentum of Mulblood so that it cannot be propelled into the small wefsels as formerly I the vefsels contract & the soles become more rigid than tormerly a thereby give a greater resistince to the bolood, so begthis means -There can be no accumulation of hoload en mor Distention of the vefochs of the atterns; Lionen These wefrels once Contract they cannot be again Delated unless you bring back the Enginal bause which Delated them in the

beginning wind to encrease the wes with a to relax the solios which is here impossible tobe done. Other Questions may be consider do wit Why do the Menses stop immediate: · by after Impregnation & why whis the Chill is further achianced a why when envene duck? This not easy to account for the oudden stop. - page of the Minses immediately after im = -pregnation, for at this time the factus is scarce. -lynisible & it cannot require for its growth duch a quantity of Blood - I imagine that the Polood in the reefsels of the atteters is some now Determined to another part & in proof of this we find some Momen are greatly desordered the Day after impregnation, even that soon, by Suhnefore. To account for the misses not flowing when the Child is fwither advanced is quite easy, for hire the placenta is attached to the Otterus which shirts up the mouths of Munifoels of the atterns. It is likewise cary to account for the stoppage of the menses in Domenwho give Suck, for here there is a great drain of much from the Body by the Breasts which prevents the bolood from being accumulated in the Utierus; hut when

Discharge of mult becomes smaller as hap: funs about the goor 10th month after Delivery Then the Polood is accumulated in the atteries a' The Omenses appear; Indeed some Women have their minses in the time of giving such owing to them being full of good blood I the Discharge of mich not preventing an Utinus. There are a variety of Diseases which this menser makes Women hable to, Muy wine Distreped when long in appearing, when Suppressed dwhen in los great a greantity. Women about the age of 14 or 15 were hable to a Desecre called the Chlorosis Falled so because Muy have a Greenish color It happens when the Minses are longer Than national of appearing or this Disease happens before the coming on of the mirrow & while this Disease continues no minses appear I is never happens after the menses once appear imagine the reefsels of the worth are unfolded so as to transmit Blood about the Bycar weh hursts ofen the respects of the Minoes come on but

but when they are long in being unfolded they are distreped with a mumber of Desorders Munh the Chlorosis is owing to the blood being collected in the vefsels of the alteres. das the action of the velsels cannot force it out, it is retained there & irretales the nerves of the alteres which bring on the train of Symptoms which accompaining this Disease The Gure would show that this is the Course for it is effected by all those hot stimulating medicines which encrease the action of the refects so us to propel the Mood thro the websels of the alleres a cause a rapture of Them. This Deseuse cannot be removed soon & if you allemint to doct suddenly you may happen to do heirm, as by giving great quantities of preparations of steel you'll not only produce an increase of the Cerculation in the Ullerus but in other parts & may cause a bufiture of some wefsel in another part of the body: so if the Ellerus does not come soon enough touts growth we must have patience for it well take two or three months a somtimes long er before we can effect a bure; These don by every thing which enercuses the momentum

of the blood as Aromatics, Gently Stimulations of Steel, Exercise La Good Nourishing Diet; Sometimes we have recourse to Warm Bathing to relax The vefsels so that they may chore readely yeeld to the force of the blood. Obstructed Menses Momen are sometimes obstruited in their Men. ses after they had flown for some time regu: larly, which distrefses them very much. Women are more delicate when the menses flow. ing than eit any other time. a lecidents aremore reasy to happen to women under the Menses & have worse effects than at any other lime a also accidents more readily happen & have worse eficts when under the Lochia than at any other time. Nomen are commonly a title uneasy a lettle time before they flow but as soon as the -Blood comes from the Dagina they are imme: diately easy; Some persons are always very bad at that time & I know a woman who every time shermenstructes is very bad a is obliged to heef her Bed for 24 hours, Mose Momento menstruate with great pain, are relieved by Opium only A of you give them Loudanum.

for the 2 or of first days, you will take away the pain a ministruate as coprously, I mentionthis last because the French Physicians would not give Landanum in this case because they Mought that it was an Astringent & would prevent the flowing, but so far from this that it often encreades it; likewise in such eases the warm touth is very beneficial, to put them into it two or three days before they should appear or in the time of their flowing. The Menses are obstructed from avariety of Couses as women at the time of the flowing are more Delicate than at any other time little thing will stop them. The Causes Theymay be obstructed by Emproper Duct 2 From exposure to Colo 3 From Papeans of the mind. 4 From a fuliness of the respects of the Ulerus To From a resistence of the reisels 6 From the Nomentum of the Blood lessenes 7 From a bacheche disposition or obstruction of some of the other rescera). The Gure varios according to the bouse & I shall consider each of these bouses as to their we 1 Improper Diet . Women when the minses are flowing are sometimes heart by fish & even

sometimes Milk a Gream as they put a stop to them & they know this very well so that at this time they abstain from them & some cire so much afraid of them that they will not take milh to their The which I imeigine can do no harm . It is needsary that you should know this that you may not order any of Those things when the menses are flowing which would make the women have a bad ofinion of your Judgement. Thus when a Waman isin a fever I worn milk I water for her Common Drink, if her minses flow at this time you must prohibit the melh a water, Such a Diet as Fish, Milh & Gream stops the flowing of the Minoes which produces violent fito of Sichness, bolic pains, vomiting and prenging; you must indeavour to remove the present Complaints & altho the menses do not come on immediately, yet have patience & they will probably come on in the next period. 2 Gold. The Robust Women are much ex= posed to bald by their daily Employments as working in Cold weather de & the Delicate women in being out in a bold moist air so that bold is often a buise of obstructed menses

when a Waman has obstructed monses from This bause at may be removed by the woman using immediately the warm toath or of that cannot be conveniently done to use what is next to it out the Pedeluvium & there immedi: - ately go to Red & take a Bolus of Theriae wit some dal forme bervi a drink plentifully of White wine whey after it. 3 Passions of the Minds. These have very Deflerent Effects, sometimes they bestruct the menses, at other times brings them sooner on that what they usually do - other times causes comitings a spitting of Blood and selsom. an Immoderate flux of the Menses ... When the Mins to are stopped by this bausenothing will do so much to recover them as Laudanum & Mush

A Fullness of the wessels. It sometimes rappens that the vessels of the womb become Distended so as to lose the power of contraction & there-by cannot expel it from the Uterus as is a sometimes see to be the pease with the tolador, in the time of Delivery the tolador may be distronded a long time as they cannot pass. Their wrine of when this is the case the blador will.

will remain Delated for two or three days .so this happens with regard to the atterns that by the full neps of the wefsels they lose their power of Contraction; & the only remedy is Bleeding & no matter whether from the born or anhle, she should be hewish be hept on a Spare Deet & use gently purgatives & Exercise to Too great a resistence in the vefsels. His not easy to ascertain this, but commonlythose people who have fair Complexions & fair hair have Day febres & Mose called -Brownette's or have black complexions a black hair have Rigis febres & it is these last who are subject to obstructed menses from This Cause. The only Premied y here is Marm bathing, the water should be in a Degree of heat diet greater Man Anmel heatt, forestit is greater it fatigues them & they cannot remain long in it & when they go to bed it caus. es violent fets of sweating which will do harm leut when the heat is about that of animal bo: dies, they can remain in it about an hour I when they go to bed it produces a gentle sweat which will do service. The momentum of the Blood too small

It is by the pulser that we sugge of this being the bouse but sometimes we cannot pidge by this. because it will sometimes be full a strong in the forenoon & weak & small in the afternoon, butin general this is the bouse of obstructio menses in those people who have Crelaged Autet. The kure is by fulling them on a Dry moureshing Det giving a Glass of wine after every meal, Bark Heel waters & other preparations of it & Exercise; Saffron has been given for this purpose, indeed it is a very good immenagogue if givenina profur greentity; but what effect can a vea spoonfull or Two of the Sineture have which contains only about two or three grains of the Substance & theses a common practice; I often give it to the quantity of 9V in substance, & then I see good effect from it. Anomalies may be used her with advantage all the I made purgatives as they encrease the momentum of the bolood have been used; but we must not give very strong Brasle purgatives as they sometimes stop it instead of foromoting it, but all those of the gentler hind may be used as the Elexer Proprechatis & Pel. Prufe. There is another remedy proper in this lase west Clectricity, this has sometimes done service but you may try it on a Dossen of persons be fore you do service to one; but after at other The bold Bath is likewise used, I have along said that the Warm trath is usefull . a there would appear here to be a bontradulion; but they are both proper but in different Cases. The boil both does service here by propelling the Blood from the Extreme respels on the burface to the Internal sufsels & thereby the atteres must get an additional quantity as well as all the Internal parts & thereby may procure The Menses. That there is a greater quantity of polood in the Internal nepels after bold Hathing is very evident for I dave say we have all experiences headuchs after the Colo toath with is owing to the pressure of the water whon the surface of our hosies propelle the blood from the extreme vefocls there to the Internal parts I the torain gelling its additional share pro-: once the Headach of Upon the same prenuples The Campressing the Fline Firting has been uses by not permilling such a great quantity of to look to go to the Lower Extremities of delerming it to the alteres; but how is worly for recent Postructions & it requires a man of shell to do it a few Women will permit any man to do this in recent lases as they would rather by other remidies of then afterwards this will

be of no Use a Munt when it is necessary to Delir mine blood to the attences it well be bet. for done by bosoft all Man bombressing the Miae Artery ... 7 General Cachery or obstruction insome of Me rescera as in the Sungs, Lever to When it depends on this; it well be imofsible to loring on the Apenses unless you remove the former Obstruction; Physicians imagine that when this Desease is joined to some others that these defind whom it def you give remedies to remove The Obstruction of the menses you may soones! efect a cure for they thenks that if you remove the menses you will cure the other Diseases, Indeed sometimes this may be the base, but when Obotructions in some of the Wiscera is The bause to apply remedes to remove the Obstruction of the Menses would do no ser-- vice but we must apply remedies to ore -: move the Plestructions of the reeseus that is affected which when decomplished the Menses will flow of Course. I have now gwindhe several Courses of Obstructed menses & ejeven the veveral lures Igo now to speak of another Inregularity on the Menses werd An

An Immoderate flux of the Menses What I mean by an Immoderate flux of the menses is either too great a quantity of Blood coacuated at each period, or when the minses return more frequently than they should do. Alho two or three Ounces of Blood should flow at each period more than common I do hot. call this Immoderate a altho they should return in moderate quantities every three weeks I do not ball this immoderate likewise. as there are not great differences, but what I mean by Immoderale is when it exceeds these bounds Gauses. An Immoderate flux of the menses is produced by any thing that encreases the momentum of the Blood as Violent exercise, Stimulating medicines, Capions of the mind, too great a fullness of the reefsels, Polype & Surrhous & bancerous Tumors. This Disease is very subject to those Women whose men. ses are about to leave them -Prognosis. This depends on the greatness of The Evacuation & the progrets you have advances towards a loure, but in general it is fac women whose menses were about to have then

Unever saw one Dye of it, The reason is altho' great quantities of tologo is evacuated yet it is done gradually a when this is the case people very seldom die & Dr Haller days that if there wany hamorrhage where the flow of the plood is gradual althost continues a longe. time yet there is no danger as the Bodywell make supplies for what is Evacuated the gives instances of Persons losing great quantities of blood in this way. Gure. Bleeding . you'll fine Physicians much deveded about its use here, Some have recommended it dothers not; the reasons this that altho the slow is immoderate yet it very often stops of thelf subdenly, so that when the person was slooded & it to stop some time after its stoppage was a seribed to et, I shove persons who descommend Blod eng by giving some remoties & it stopping which it would have done if nothing has been given they have ascribed the Nahpage to their remedies & therefore say that Blooding was hurtfull . Indeed one would thenk. Mat the bolood flowing by two orifices instead of one would weaken dey haust the patient but if the Woman wistrong & Robust, Polood.

Gold substances have been applied to the Back & parts of generation; the smay have good effects in the Summer & when it has been brought on by the person being over health by veolent exercise, it will have the same effect as applying bold sub-Trances to the nose & neck in an hamourhage of the Nove. Degalures & Cupping Glasses were applied by the ancients; Ligatures are of lettle service for altho Mey be made on the Extremeties & heep all the Polood which they could contain yet if all the rest of the blood of the body was torus of the patient would die as the Extremities cancontain only a small quantity & besides of they are made too light they will do harm by compressing the Arteries as well as the weins; but They say that by the Invitation which the Liga: tures make a Dirivation is caused to the Extre: mities, but cannot this Derivation be lietters done by Blisters & Thewe seen very good effects from them, a expecially in three bases a Lady had a veolent womiting of blood which was stoped by applying a Histor; another had a homorrhage from the Nose which was otopped by the same. but more especially there was a woman in the . lying inn ward sometime ago who had an In. moderate flux of the Sochied devery remity was

tried by the Physicians there without success when I saw her Tordered a Polister which has the desired effect; so Potesters may be used with success. Smother Premedy recommended by Hofmand others is warm Bathing. One at first would emagine that Marin Bathing would encrease the homorrhage, but they say that by pitting the Body in warm water the veg--sels of the Extremities & those on the surface of the Body are relaxed & thereby a Derivation was made to them a they were induced to think so because when the feet were fuit among warm water the veins there were observed to become Jurged a thereby thought that it casesed a Determination of Blood to that part; but When heat as upplied to the Body it rais. - fees the Ablood & makes it take up a greater space & thereby will encrease the Hamor. - whave; but they may say that altho thisis the base by Cideluvium this rarifaction is only communicated to the Legs, but the poor. pensity of heat to borng all bodies to un Equilibrium contradies this, besides our Blood goes round in a birele I what is ra--refile in the feet in a title is carried to the other parts of the body, in a rarefied state, in

proof of this if pidelivium is continued a title time you'll observe the vefsels of the Temples considerably swelled - Some impute the owel leng of the wefsels by warm to atheng to a quantity of the water being absorbed a increasing the quantity of the flered, but this is not the Case for if you put a person in a Bry heat instead of a Wet heat the same ramfuelionwill take place. Therefore it would appear that warm Bathing will do harm in alterine hamorrhages & Suhewise twill do harmen every case where the encreased momentium of the blood does hurt, but is of service where we want to encrease the momentum. These Thysiciand who recommended the Warm -Bathing in this base were misted by thinking that it relaxed the refsels & caused a determi: nation to them; & as Pidelivium cures some hunds of head acho they thought that twas by Derivation, which wasnot the can but by increasing the momentum & buth of the Blood. In order to treat mores particularly of the Cure I shall go over the several bourses. Wiolent Exercise. When owing to this bouse will be bured by Rist in Med.

2 Violent Passions of the Mind. In this Lase the only biene is Opium 3 Wolent Stimulating, Medicines . Opium is likewise the best remedy for this. A Women being too plethoric din the Summer Season, may be cured by booling medicines & Rest in Bet. 5 Polype. Regard must be had to them 6 pancer. This admits of no burep. of Allhen the Menses are about to leave the Wo. -man this Disease often happens; the minous do not have women suddenly, when they? are about to leave them they will be obstructeo for two orthree periods & then flow dat-For this they will be obstructed again a then flow & some warnen will be in this way for 9.10 months or a year before they leave them altegether a at this time many Momen think Themselves with Child by them being obstrue - Fed & flowing again & at this time they have subnefors as in Pregnancy\*. Althen there are Immoderate fluxed at this time aprum is the only remedy, it quets the patient eases he pain makes the burculation more moderale & allows the tolood to clott in the Extremeties of the repoels a takes of Irritation a thereby Whe brest remedy for his purposes - A \*hat this maybe yound out by the age of the Towns & irregularity of the Menoes. -

A great variety of Astringents have been recom: mended by authors but I imagine few possess The Nortues goven them, a the only way to trys of they passes these virtues is to use themenho: morrhages of the Nose, but I do mean that my should be applied externally as they cannot be used in that way in allerine homorrhages make no doubt that by the application of medicines to the bleeding wefsels the homor. mage well be stopped such as Eschoroties but then they act on other principles than Astrin. gents; but if the medicines are taken internally I will wenture to say that they will -not cure it, for besides of strengthning a Topic. cal part by Internal remedies, the remedies lose most of their effects of not the whole high the changes produced on them in the Homach I the mexture of other fluids with them; & as this will be the base with hamorrhages of the nose it will also be the same with allering hamorrhages The Bark is one of these remedies & has been back as an astringent in this Case; youll find many powders recommended by authors as the Puls. Styphe . I have tried it & I cannot way with advantage; it is composed of Alum, Terra-Saponicax Sanguis Draconis; They way

these Medicines have acoursed these vertues is that if the Person it using them when they stop which they often do of themselves the me. -dicine receives the praise. Their and istance of thes a warman who had this Disease sent for me, by mi stake I went into the house below & I saw the blood running thro the floor the Descharge being so great, when I saw her I found her pulse weak & fuble & very bad, I ordered her the Julio Stiffetie in a Base of Law: -danum when I called next morning she was greatly better a the flux had left her; I was ascribing this change inher to the medicine but I was told that she has not raken it? · shall consider the Ingredients of Mr. Pielo. Styptie and is so much recommended in this lase. Alum is an astringent midicine it draws the mouth together, but how strongly it operates on the mouth, it will be greatly changed before Areaches the attends by the muflure of other fluids awill have proba-: by no effect at all; if you give a tolerable good dose it will produce Nausea & bomiting - The Gerra Saponica & Sangues Dra: -conis you cannot give such a dose of them as to act as an astringent as the Homack will not receive so much of them as to produce That effect, Therefore the only remide is Opicon as thromposes the Corculation a thereby clots are formed in the Growths of the refsels which will stop it. It Dick recommends State a Elexis of Milriol for the Disease indeed if; this brought on by violent Exercise or being too much health these booking medicines may answer very well, but the three fone to be depind. I the there is greatly about a strengthing Diet & Mile Astringents may be used with propriety.

I shall now goto another Disease which alnimpregnaled Women are hable to west

Fluor Albus or Whites

This is a Disease peculier to women but not confined to the same periods with the minses for shilderen may have it I bearle whose menses have left them; there was a while in the Infirmary who had a running from the Clargina a as the had olifit with some people who had the Gonorrhou it was very naturally supposed to be it but after having given two or three doses of Physic it went off but then her type were immediately swelled very considerably a there was a running of mucus from the type lids, so this shows that

156 Children may have this Disease; but it is much more common for this Desease to come on when the menses are about to appear or after they have come on or after they have left them . -This Disease is somatimis very mile so that The Descharge is small & no Inconvenience arises from it nor Injury to the Health -Sometimes again the Dischargers so very great so that if they are obliged to crops the Proom they must have clothe to absorb the matter as it is discharged or it will drop on the floor . I when it is in great quantity there happens excariations of the parts & Brook Wrind by it, a the health of the person is very much impaired. Ir Astrice has made Deferent Species of the Desease according to the deference of the Consistence of the matter but the Consistence of it defunds on whether it has immediately come from the atteries or been accumulated in the Vagina forsometime, if it comes immediately from the actionis, Mu matter is thin but if it had been for some time in the Vergina it will be thick by the thenner parts being absorbed. There-- fore this does not show different. Spices of the Diseases

As to the Seat of this Disease Some have thought that the metter conting from some Elands in the Atter res; others that that it comes from the some relades whech pour forth the Ministral Blood; & Munk that this last is the justest opinion, for we often find that the fluor Albus serves in place of the minstrual flux, & Women sometimes who are ingood health. have a little of the Whites after the menses have done flowing; the seat of this disease is sometimes likewise in the Nagina & the matter comes from the same veffels which four forth bilder sometimes, which is in place of the. This is a Disease that often baffles the prescriptions of the Ablest Physicians; aswe have not accept often to know the Cause. As the Gonorrhoa has a great resemblance to this Disease, it is of consequence to distinguish them. We must enquire particularly into her Character, difit is the Gonorrhaa by remaining Same weeks there will be allers, thankers! swelling in the Groins Kg. & in a fluor albus altho the Discharge be great, the meither will be roppy but of the discharge is great in a Gonorrhan the maller is thin: Willho there is some Arder Unina in a fluor albut yet it never comes on till it

158 has continued some months & the Descharges winy great buil in a Conorthan the arbor wind is among the first Syniptoms; So by these circum - stances you may distinguish beliveen themen Causes . It The Aluor allows is often owing to Citivations of the Ulterus. 2. It is sometimes owing to a Relaxation of the Wefsels of alteries ahe Sagina 3 Strepes received in Child bed authe same with A Those Wamen who we subject to immoderate fluxes of the menses are subject also to this. 5 Sometimes it is Universal by the whole habet being affected as a Scorlate Disposition by levery fully ena moed bolo air & using no exer cite. Now the Cure is more dificult or easy according to which of these is the lauise The Symptoms are much the same with an Immoderate flux of the Menses, for in both there are pains in the Back, lofs of Appetite, bolor more pale & Much sediment in the Urine. This Desende was always looked whom as a fause of Sterility & Heppochales says of a woman labour under a Fluor Albus, they will never Conceive but this is false for we have many Instances of women labouring under the Fluor Allews being delivered of wery fine Children Brognosis

Prognosis. It is never allended with Danger bat it is very Difficult of Gure. Gure. And here I shall go over the several lauses I Han alleration in the atterns this is very difficult of Cure, Injections have been recommended to be thrown up to Cleanse them, but Mensyou cannot throw them into the alteries of the allerations were in the Dayina they may be of Service : He may try to cleanse theal the alcerd by the Creater & Mirrury which may sometimes iffeet a bure. 2. A Relagation of the websels of the Weries & Vagina & in this beest they will answer the menstrual flux, you bure this in the same way with the Colorosis, by Stringthners to. It is a Gonorrhaa you cure it in the common way, with Mereury to. 304 A Stresses received in Chilo bed or owing to Immoderate Thuxes of the Menses, Authors have recommended it to be cured by astron: gent Flomendations, Injections & Peparies. domintations. It wonot an easy maller to throw up any Somentation so asto reach The atteres as mouth is always shut so as not to receive it & the most that be admitted is the vapor which will act as pure warm water

160 as nothing in these formentations will be cons werter into vapor but the pure water, which thereby do harm as it well relax the wefsels-Injections thise are made of Fineture of myork Wades Balsam, alum & Limiwater or any as. - tringent you please, when the affection is on the Dagina they may be of great service, but when in the attenus they can be of no use as they cannot be made to reach it; a very o good astringent injection is made of Timet Cupri Tinet. Myorth. No little Brandy. to When the whole System wafeeter, as a Scor-· butic habit by living fully moist bold air. The fluor Albus here altho bad yet it removes other Diseases; a if we give remedies to stop it without borrecting the Habit will do harm by bringing on warse Diseases, agou must therefore remove the Cause or Cornect the Fabit; this is done by wainations of all hinds as imetics, Purgatives & Opening Me pores of the thin by Warm bathing, x & low Diet when her habit is sufficiently corrected & the had humors sufficiently drained from the Body Then they require a Course of medicines quite the riverse of the former, vist a good nourishing

161

of Several Gums have been wet beet they can do no service unless the affection is in the Naginary with the Mayinary with the Naginary When the Whites are greatly drained up the Gure is much the Same with an Immoderate flux of the Menses only with this Deference that opium is the principal remedy in the immoverate flux of the minses whereas it has not great effects in the immoderate flux of the Menses in the immoderate flux of the Menses in the Isluor Albus a Astringents have not great effects in the immoderate flux of the Menses whereas they are the principal remedies in the Isluor Albus.

I go now to mention

You'll find these different in different Women, but there is always in the beginning an Obstruction of the Mindes, such fits, throwing up it is - herally in the morning; thise allind allend an obstructed minses but are never so violent as when from pregnancy, sensible of an increased but he between the third of fourth month, a be tween the fourth a fifth month being sensible of the motion of the Child & now the throwing up reasing, a as they advance the motion of the

162 the Child being more seedent & the Bulk encreasing Theremay likewise be some marks collectio, from the Breasts, after they are some time hregulant They become fuller & more flubby of the Areold become of a dark brown bolor. When you meet with a Moman who has all these Symptoms you may be certain that she is with Child; but there are many who have not all these symp: froms as sometimes their mines are not obstrue - Fed for 2 or 3 periods d'are as regular as befor I some never enjoy better health than when with Child; but the only sure Symptom of a womans pregnancy is the Obsotruction of the Menses, alho a woman have 2 or of periods regular at the beginning & obstructed afterwards & the other oring toms concurring I would declar she was with Suld dit never trapping that the menses flow regularly thro the whole time of a woman's pregnancy & if it flows more than 2 periods they are always small in quantity & never flow after the 3 or 4 months so that if a Woman have all the symptoms mentioned above except the obstructed minsu which continue to flow regularly a in its usual quantity would conclude that that Woman is not with Child, I have been

in several such cases as this a always positive. by concluded that they were not with Child &, I have never yet been Deceived; When a Woman has all the elymptoms except an blostructed mendes, when youthet their know your Openion,. They will hardly believe you he tell you that they renown Momen in the same bondetion in Piregnancy, indeed sometimes during Pregnancy they have hiemorrhages from defferent parts of the Body as Piles, but then\_ They have always their menses obstructed. in judging whether or not a woman is foreg. nant you must fut a stress upon the regu-Tarety of the menses & if in proper quantity I lethewise you may sugge by the buth if the Woman says she is four or five months gone A has only the bulk of one that has gone 2 or 3 months then we are sure she is not with Child. another way of knowing is by the -Touch, of the Ultirus feels light as in the unimpregnated atterns & of the Bulk worth so great as it should be a the menses flowing regularly then we are sure she is not with Child. Aus commonly Women with their first shild that we have to examine as those who have

164 have had Child ren know beller by being experiences but sometimes they may be muchaken, Iknow a Warman who having had A Chileren dwas in thele of the fifth, she aborted at the 3 month, but after the Evacuations had dried up showhill encreased in Buth assif the hair had another this which hofsby might have been the case as I have seen several Instances of this a particularly a Lady who mis. carried of Twins yet hept a third Child; but this we man at the usual period of the mienses they appeared altho they were before obstructed, but the Bulk still encreased a between the 105 month the felt a motion as if of a Child, but then it was different from the motions she had felt by her former Children instead of being sharped quick I was dul a obtase, but her minses continued to flow & the bulk encreased till the gmonth when Tabour pains when I saw I examined the state of the Allorus I found it a little Delated & I found something presenting like the Bullocks of a Child but then it had not exactly its shape no weight Leath & I could perceive that it was some fleshy substance of the flooding still continu ung violent which occasio ned frequent faint - ings, violent vomiting the fulse langual weath & frequent, Ithen introduced my hand a pulled away the fleshy substance a the flooding immediately stopped, but she was someth reduced that we swere obliged to wet her mouth with a feather difeed among Claret. hocoever the recovered. I had lately unother Instances of a Ledy who when in the seventh month the waters broke but no Chilo came away, which dried soon up a cet her next usual period her menses appeared, but still her bulk continued as the stard in the Country she came to Town to be delevered; she consulted mis. when Jexamined her the alteries had a great buth the weight, but was only about the buth of an-Ulerus three or four months Impregnated & the rechard herself to be about eight months gone with Child; her monses were regular In due quantity & there was no falot after their flowing as happens when they flow when the womanis impregnates for two or Three first months: Spirswaded her that she was not with Cheld, I advised her to go to this Country & as the is ingood health a Mi Min .. ves regular every month is no great Incon: venience. Theard from her lately & she enjoys herfect good health. The

166 The Descuses of Prignant Momen There are three periods of a Womans pregnan. = cy each of which have peculiar Diseased a each period consists of there omonths. In the first period or first three months, Womin are subject to avolent vamilings, head richs fount - wh tets dep. In the Second period a Continuation of the Sick. - nels & throwing up, suppression of Wiene bastivers South third period Legist Mights swelles, painin the abdomen Palsy, womiting, honvulsions He. The st is owing to the suppore seon of the men: = ses & a new stimulis given the dystem by the allerus being Impregnated 2 burng to the pressure of the atterns whom the Bladder or Rectum 3 Owing to the pressure of the Ulerus in general upon the There views, There arteries, upon the large Nerves . great space the Ulerus occupies der. In general these Diseases are buried by lessening the Alethora, keeping the Body open a lefs loving the prepure of the alteres upon the neighbouring parts; but I shall Speak of each of these in particular 6/6,

167 The Throwing up. This begins immediately after they have conceived a continues oftentile the soib month. Gould jone a great variety in the Severily of this Symptom, Some Women never enjoy better health than when preg. mant, other again from their Concerving to Their Delevery are not able to raise their heads from the fillow, When this symptom to mild they never ask any remedy xit is only when it is violent that we see them winder this Symptom; this wometing differs from all other minds, for in the lime that they are throwing up they have no suckness but in perfect good health. When this is veolent The Plothora should be befried & they are. always much the better of being bled, some have objected to this as it may procure an abortion; but there is no danger of this when bled in the beginning or ending of pregnancy a is more safe their in the middle, but care Thould be taken that you do not take away so much win such a manner as to make Them faint which will favour abortion & in every pregnant woman it is the best way to bleet her in an horrerantal posture

and small quantities at a time which will prevent the founding, Thus if Jum disigned to tuhe away 3 VI of plood, I will take away 311 & then stop a little of take other 311 d so on tell I have taken the 3, VIII. The womiting is often attended with acivities of the Frence via the only remedy for this is Marginesia alba,. brabs Eyes or any of the Testacea, but the mag: -nesia is the best as Women are generally bookene of this will open thermen the thely . -In some bases Meleding & a spare Diet will cure the vomiting, but this sometimes fails dif it still continues the only remedy is Law: -domum; but it will be better to give Opium on a soled form, for if they throw up the Laux Edamem you do not know how much of it The has thrown up & thereby cannot repeat The Dose, but when given incelled, you can easily know if it to thrown the by examin = -ing & if thrown up you can repeat the dose dbesides when in a soled form it is less aft to be thrown up, for a number of women in This state commonly throw up all liquids . but retain solids in Meir Nomachs Violento Tooth achs a Headachs. These are symptoms of Plethora & is wired by tolerong

Suppression of arine: Moul the fourth or fifth month the Olderus is so large as to fill exactly The Cavety of the Pelvis & Merely pressing on the Poladder produces this Symptom. at is more frequent at this kine their afterwards, for at This time the attenus fells exactly the cavity of the Etterus & piripes greatly repor these parts with are contained into the Peluis, whereas afterwards The Uterus rises above the Os Pubis & the pref: our is not so great on the portaining parts of the Peluis. There is no Inconvenience in This Symptom if care is taken that The Moman be relieved now of then when needfull; but if it is neglected or the woman does not choose to tell it, by the Woladder being very full, it well take up a considerable doom in the Pelves & The alleres will prefs the more upon its neck I hender a batheter to be introduced into the -Toladder a in this way there are instainces of severals dying of it by neglecting it. When There is a Suppression of livines the bed method is to take away the relater by the Catheter when required it may happen sometimes that the Bladder may be inflamed by being long dis tended, yould know this by the shymphoms of very violent pain in the region of the Bladdy pulse hard & full , Urine high bolored, when

These symptoms remain after drawing of the Water, then we may be sure that it is Inflamed & which is bured by bleeding; Emollien Jomen: tations to the part a booking Purgalises. Sometimes the Ulerus changes its posture by falling down felling up the space between the Os sacriem & Symphans of the Bs Pubis & there. by compressing the Wrethra so that a batheter cannot be introduced a the Alberras cannot be pushed up to its natural situation . I never saw on instance of this but Mariesau mentions one. he could push up the alleres & could not intro: - duce the batheter ento the Unethra on account of the Wheres Compressing it. Merwoman died by the burshing of her plader. Costeveness which is owing to the pressure of the alteres upon the Rectum; Those Women who throw up are generally likewise Costive as not much of their food goes ento the Intes. -times a Momen when with field never use so much exercise as when unimpregnated by which their deppetite is not so great of the action of the Intestines impaired, so that this Symptom is very common to Irignust women ... It is bured by some Saxabrie medicines that are easily taken. The Magnesia albais an

very good medicine for this purpose to be taken in the morning a it will operate much better a Soliction of Gremor Fartari is taken the night before; another remedy is sulphur which opens the Welly gently but the only Inconve : nience of this is that it sometimes generates a quantity of Windowhich by distanding the to elly distresses very much. Aremedy with has been much recommended for this purpose is Senitive Electrony, but thesis too mile & must on that account be taken in large granlilies & on which account they will soon looth it; but by adding some Puls. Grem. Fort or Bulo . Chai a small quantity will be suffi : -cient & Thereby will answervery well. Thysicians never use Mache medicines for this purpose as they act with too great veolence but if these are given in a small greanlely they) will Operate with the gocalist ease & many Women use them in this Condition without any bad consequence but rather with great admintage of it is common in this case for them to take an Andersons Pill which is an Hoeter medicine, they are made by boiling several Flarks & redding some aloes to the decoction & bailling it again to a proper Consistence

172 Consistence for forming pills . & I have seen The half or one of this & fills do as well as could be Desired. Injections may answervery well but this is very inconvenient to be done every night for perhaps seven or eight months; They may be used when the woman has been two or More Days boslive before she complain in order to give her immediate relief & then give her afterwards some midecene by the mouth which will keep her open in the Belly. They should behavise be hight on a negetable Diet & may use the light Fruits & what with the Best a what with meducenes, their Melles may be hept open. Files, Momenare more huble to the Discon

Piles, Momen are more leable to the Discon when foregrant than at any other time, they are distinguished into External of Internal or when about the verge of the anies or within the action of the wines are only greatly Distended or when the veins are only greatly Distended or when they are reptured. This Disease is owing to the prefuere of the Uterus upon the Iliace vein of thereby hindering the return of the venous to look of causing an are cumulation of to look in the Hamorrhoid veins. This Disease like the phonores will often baftle the

the prescriptions of the most expert Physicians. This is owing to different Courses & the bure must vary accordingly: In some people the welsels are much relaxed so that the Riles will be brought on by standing long in the Erect posture; willing on the wet Grafs, Redeng on horse Buch & walking any Distance. The bist way to bure them from this Cause is to cut them & by the Gieratrization the parts will be strengthined & well not be so apt to Return: Chewise astringent applications an of service here as spirite Finet. Mynthe Wades Malsam Leg. . Another Course is when the person is plethone o'a Determination of holood to these parts & This requires a quite deferent Treatment as astringents would be hurtfull here; it is bured by Blooding & Emollient applications to the parts. another Course is from alleerations of the parts The bure hereisto hise applications gently dry: ing). What has made many Physicians fail so often in the Cieve of this Disease is that They do not enquire into the Course of the womenty having a beller opportunity of know. ing the Cause have often lived this Desease Memselves after the Physician has failed in

In this Disease the Welly should be always heefed ofen, for when Pround the Spheneter Com is contracted which prevents the miturn of the winous to lood in the se who have lax neefsels; in Children the reefsels are as lax or more so than in this boise best the Sphinctor is not so much contraction as to compress the weens I indeed their sphencher is searely contraite atal a therefore they should heep an open welly & lyc in an Horrisontal posture. This Desease is never Dangerous but sometimes redious of Gure Swelling of the Sembs and Thights . This is owing to the presoure of the alteries on the Stead vein . Mises bured by taking of the prefoure of the atteres from the State wein with is done by confining Mupalient to Bild, Mias this has the effect you may often observe that al. the the Legs are much swelled at night yetin the morning they are greate fullen so this shows the propriety of the Horrozantal postine. The part of Generation sometimes thewise be: come so much swelled as makes of necessary to use puncturing, to let out the water; but I never saw a bolse where this was newpoury. In the swellings of the Legs, they have some blow are ple thoric you may take away some blow but the faces give

hid Mis will often not Gure Mese swellings but we must have poilience tell after Delivery & Men Mey go of . Gramp pouns in the Abdomen! This is owing to the Bulk of the alterus distanding the Fortaining parts of the Abdomen a great length thereford they must avoid every thing that encreases the Bulk, don that account should take little good at a line of repeat it the oftener & should avoid every thing that is flatulant a should keep their bely open; whereise they ? may relay the Containing parts by rubbing upon them Emolient Substances as Bl. Olivar. Les. Holooding may letruvise be of rise as theil take of the Sension from the Containing parts. Gramps in the Simbs, This never happens more early Man the fourth or fifth month atwhich time the Utierers fills exactly the bowity of the Delvis & may press upon the large nerves & this happens to them mostly when in bed & when they are sevied with them they cool them. selves suddenly which cures them. Momen in. the lime of Delivery are sometimes sevied with them by the Child pressing upon the large Nerin one posteine half a minite by Meir veoline but they go of as soon as Delivered. Convulsions

176 Convulsions. awing to the pressure of the atterns on the large Blood welleld a Nerves & is thereby occusioned in mobile systems x. They are more frequent to women with this than at any other times because for Irritability is more remarkable at this time than afterwards Convulsions are more or less dangerous accon ung as they have had them before for been occurs: -tomed to them for if they have been accuistomed to them before they are not Dangerous; they are more Dangerous according as they return frequent or not; when they ordern often they commonly die; they are more orless danger. -Bus according as they are in consequence of the Labour or not; if in consequence of the Labour. They recover after Delivery; Muyar thewise more or less dangerous according as They recover their Senses soon after the felt or requeun long in a state of Insensibility; however there are a few exceptions to this que meral Crule of which I shall give an Instance A Ludy about the y"month gone with Shill about ten in the Evening had a headach & could not see, which frostended some greater muschief a about one in the morning she was sevied with a Convulsion fit & when she

came out of it she remained all that day & night tell next day insinsible, but then came to her Senser & recovered soon a went to her justime. dolhis is one Exception Mont it always happens that if they come on frequent: by unless in Consequence of the Labour that They cire always totals. Our only Chance is to empty the aufsels well by Blooding fre: quently & applying Supping Glasses; in the state of pregnancy we cannot use some -Remedies which are found useful in the Unimpregnates state thus it isould be wrong to give Emities, because by their ciction the Ulerus would prefs against the Shae Certer ries deause thereby a Determination of Blood to the head & may nutiture some nefoil. When Convulsions sever a woman who has come to her gult lime we must frequently examine the state of the alteries & when the mouth opens to deliver her, I of they are viery reclint we must force the Delivery -Dalsies Thave nothing to say of them from The comonon mothod, only use cannot use many of the Remedies used commonly in this Condition

Condition, but are seldom bured untill they are relivered & is often done of pantaneouly & if it should remain after Dedivery we must have recourse to the common desnedies. Nomeling, this happens from another Cause than the Domiling at the beginning of pregnancy this is owing to the atteres becoming very bulky is pressing upon the Stomach at this time lekewise there is violent bough owing to the same four The bure for these is to emply the ressels by Blooding, beeping the Welly open & avoiding every thing that increases the bulk, if the Lough happens from bold it is wered by toler ing de frewe nothing monte observed In the time of Pregnancy to use abstinence avoid reolent exercise, use a vegetable Dect, theep the Rolly open I avoid everly thing that is Desagreeable as Desagreeable sight ty. 00 There is another Diseases which is subject to Gregnant Momen des more frequent de Dan-- gerous than any I have mentioned thatis. Hooding when with Chill This at. taits Momen at any time of their pregnancy, but

but it most frequently happens before the fourth months; Momen I have said are sometimes leable to have their menses for the first two or three months, so it will be necessary to distinguish between the Minses da Ploosing; of the Minsesthey come at regular periods, without any evedint bouse d'eontinue à certain lime & Men 30 of; the flooding has no regular period has some evident bouse as verolent Exercise & no certain Duration. Momen are more subject to abortion Manother animals, on account of the posture (voz the Exect) which they are in & the pressure of the Child upon the smouth of the Uterus. It is surprising how soon some women well mesearry & how much satigue others will undergoe & with not miscarry; There are -Some Momen who regularly miscerry about the therd or fourth month without any wedent fause; others will not mescarry by any means Morrecour quis several instances This, he says there was a woman who ligh The house that she was in getting, on fire pumped a window of three storries by which her Legrand arm were torothe yet she came

to her full time & was Delivered of a levery liked, danother base of a woman who endeaboured to make herself mesearry by jumping dep yet at would not do . Thooding is occasioned by wery Thing Mich encreases the Cerculation of the Blood as Biolist Exercise & therefore is wifit for every Pregnant Woman Universe Mobint Stimulating, Medicines; several boncufsions or any thing that produces violent straining as being Costine Ocolint bough or wometing. J'assions of the Mend. Altho anger & Thear seem to have deferent effects on the Body get They both produce it. In anger there is an encreuse of the perculation & will thereby ait in the same way with Reount exercise in lausing ein Abortion & the Passion of Terror brings on a Spasm upon the surface of the Body & thereby there is en greater quan tity Man usual in the Internal wefsels, this is shown by the Caleny of the face, Iremling of Rigor of we offense it produce fainling fits Homorrhages of Internal aufsels up. All the arolist Paperon will procure an abortion, us we often see them produce

produce Convulsions, Asherding at the Nove, vomiting of blood to. you'll often find women who takes. The greatest Clarcof Munselies a avoid every cause that can in the least contribute to musiamage. Prognosis. His attended with more or less dan ger according as they have been longer or shorter timo pregnant; it is never allended with danger get happens before she is fire months gone with Child, if you look into Van Sweiton faill observe he gives twe Instances of Women dying in mis. carrying before the third month, but then it was not by the abortion alone for they had other Diseases which was the cause of their Deathors I do not doubt but the Abortion was the bouse of these Disenses, but you must understand me that altho I said that they never die of the Hooding before the is omonth yet it may bring on other Diseases which may prove mortal; Youll after lind very molint floodings at this time but Inever saw any mortal & all you can do here is when the woman is found to sup-July her with Cordials a normanual Speration is nuessary at so early a period, so you must leave

182 leave the works to Nature Hooding is more dangerous according to the fre quent Prepetition ofit; it is selsom so violent at once as to make it necessary to deliver the Woman, for ya woman has used brevise a small flooding may come on a then it will stop, in three weeks . after this it will return more veolent a then stop In three weeks after this again it will return more violent than ever which may cause abortion or the life of the Woman; But I cannot say that the flooding is never violent at first but it is not often the base; I cannot give any Pule when to Deliver the Moman for this depends upon the bereumstances of the patient, but shall say that for one who dies by being too soon Delivered . There are den who die by being too tate. It waltended with more or less danger according as it happens further from or neaver to the full time When it happens at the full time you have more reason to expect the Labour pains & when they come on they will do very well; I was called to a Lucy about four days ago who was come to the full time she had a violent flooding a had fainting toto frequently, when I came shewed recovering out of one of these fets, when I was told

told her Gase I would forbear Delivering her altho the flooding was veolent until the labour frains came and accordingly in about an hour after I saw her she book a pain in the small of his touch I belly I these labour pains gradually enercesed In a few hours afterwards I delivered hir & she is in a very good way, I have had many In. stances of this. Thoodings are more or lefs dan gerous according as they are allended with labor pains or not; of they are allended with labour fains there is no Danger - So much for the Prognosis Means of Preventing Hoodings. Query warmen that is sevied with floodings do not always miscanny dif it stops it is owing to the bolood, congulating in the mouths of the refeels whichly The least motion may come out & the glooding return more violent Maneuer, he oftener the Repetition the more Dangerous it is athemore certain of Abortion def it happens that the up per part of the placenta is deparate from the Uterus you are sure there will be an abortion. You'll often be consulted whon the preventing of Abortions, but this will be different morning

to the Cause as it may be owing to different Causes, There are some Momen who miscarry always at a certain time & Hippocrates says that in this case the Allerus is capable of being delates to a certain length & when it comes this length the Ulerus expells its bontents; but theo is not the lose for if they can put over that certain time they with go to the full time: you must always have respect to the Course . Mas Whin it is ow: eng to a full habit of Body if you confine them for the first two month of give them a full diet there is nothing that will make them miscary more readily, but the way to prevent abortion in them is to allow them lettle Exercise, have on a spare Det & Miled them frequently, but you should always avoid bleeding them at the time the Menses should come on asit may be apt to contribute towards flooding list always do it in the omedole of the period . Some Momen who have a great deal of menses are frequently subject to Abortion Whe only way to prevent it is to use both trathing, both applications duse no Exercise. Some Momen have flooding with labourhains the only means to prevent abortion is lying

in Noed & geving a Dose of Sandanum. ... Some Women by the least Exercise and subject to floodings, to prevent which they must bye.

in Bed & use Lewbanum.

There have abortions without any flooding a pain but by the waters breaking & this is The most unlucky bereumorance of all as no: Meny can be done to prevent it, but Women do not always miscarry when the waters break for it may clay up a the woman may go to her full time, but if it does not dry up we are sure there well be a misearnage; In some Momen the Member anes break always at a certain time. I thought once that it was owing to the wrong position of the Child by a foot or hand being at the mouth of the word I the Woman being of a lax habit so that the mouth of the worm's being a little opened so that a hart of the membranes wasts the resistence and the prepure wenereased withen by the foot or hand of the Child, by mat means the membranes break, but I find that this is not the pase for this often happens when the When there are any suspicions of abortion bleeding

186 Bleding is always used but in those cases where Munufacts are relaxed it will contribute to it. leut do many women altho of the hubet ) have a good opinion of bleeding here that they wil be blooded whether reason or not, in this case you may take away 311 of tolood, for if she abort I you not bleed her she will lay the blame upan you for not Paleding her; in all cases they must be confined to perfect rest to bye in Mid several Days not about the Bed with their bloaths on but in their named hed because when May bye above the Bid with their bloathson by the Nating them of at night of pulling them. on in the morning may faleque them & besides they will not bye so easy. The only objection that they have to the nathed heed so that it weathers them, but it will not do this un: less they sweat producely, so it soumake Them lye on a Mattras & heep them bool this objection well be removed. Aremed y that has been much used in this Disease is their I sild om or never give opium unlife the flood engre violent d'attended with pains Loccast. - oned by violent Exercise des. but if it hapdo no servere. Couse ins from it will

Gold Applications are used but they are not. necessary unlis they are recolent, then bloths depped in Menegar Lwater may be applied with advantage to the parts of Generation. Another remedyes the Work but I have shown that it is not poperfied of the Astringent recortues ascribed to it in such cases as this, of the flooding is moderate it need not be used dif wolent we must wait upon the effects, for They will be very slow? Cooling things as Good Rooms, both Bathing da bool Det are of great services of the Junel Chosar sicioulated has been used indeed themay be of great services as it is a booler. despecially when these floodings happen in The summer Season. Astringent Wines have been used, they are of arvice here the best of which is Clared as it is astringent without being heating) as it does not contain much spirit, the Red Don't has more of the Spiret of thereby more healing) & not so proper heren Herengthning illasters have been applied to The Back when there are pains in it, but they often produce a heart & Itchyness & disturb the patient greatly & sometimes they have the same

Same effect with a holister in raising In com. Meretore when you apply a strengthning plas. ter you must give orders that it it should produce any uneasurels to hake it of There are the Common Chemeders wired to pre--went muscarriages .\_\_\_ I Islocdings happen before the fourth month they commonly mescarry, A this is the most communitume; d. here you cannot give any manual apristance; After abortion ifthe Placental adheres to the Utteres you use a pair of forceps to Extract it, but do not use. violence as at most in will come away of itself about the gor 10 hay but most frequent: : ly about the third or fourth If the floodings happen about the 6, 7 or 8 months then you can give a prestance, but before you ofer to Deliver her you must Evanine at how much blood she loves & for this purpose you'd make them apply blothes to collect the Polood dwel to use clean ones a heef them. to lit you see them I by that means you'd. have a guess of the grantity she has lost for sometimes they may faint & becomes weeks with-losing only a small queintity just as we often see a strong man become such

by a small quantity of tolood hatren from his arm, d if the discharge was very small altho The was faintish, it would be wrong to dele werher but if the flooding is violent & the women weath you must deliver her as down as possible But the glooding has me -turned thines times of the last very violing. & the woman within three weeks of his time I is very weak you need not expect the labor pains but must Deliverher as soon as pol: seble. Momen at any rate never recover so well after Abortion as when May have, come to their full time, When the flooding to recolent we must fruit off Delivery too long for the woman is certain of losing her life I the only time where you should have patience is when they have come to their ful time then we may wait for the Labor pains coming on, as the Delivery will be easier in this pase than when it is forced This finishes what I had to say of Thording. I shall now consider another Desease pusuler to Pregnant Women west Twights

Thrights a Longings & the effects these have on the Hollis. There is not a more common Opinion that when a woman for Jongings for any particular thing difficion on effect upon the Chile or when she sees any Bisagreeable sight that it like. wise has an effect on the Chile, & that this \_ Change produced upon the Child is occasioned by the Imagination of the Mother. Mit the ama - genation of the Mother can produce no Change on the Child & lethewise the Longings will have as little effect, for if you look to other animals you will see marks on them & every other ani: -mall have monsters but here you may say the Imagination of the Mother operates on the Hatus, with in Ourparous animals where the Imagination cannot affect the fation get there are marks on them & there also like. - wise monsters, it is not confined to animals but you will see the seeme in Vegetables, Mer. for you cannot eiseribe the marks on the Cheleren & the Monsters Mad are produced to the Imagination of the mother. The trainouts of Pregnant women are always affected & are in a protunatural state & they long,

for a particular hind of food; if you look into leathors yould see many bases of Momen who have such a things to one particular thing that they live on it. all the time of their pregnancy; Sydenham men. tions a laise of a woman who had such a liking to Herrings that she cated 1400 during herpregnancy. Hwe consider the bonnection between The Falus a Mother we will see their the Imaqualion of the Mother can have no effect on the Faties. The Placenta is allached to the Utterus by small anastomosing, I they are so small that the tolood they convey to the Placenter is not sufferent to nouresh the Child, a said that that the veens of the alteries poured begins ento perforations in the Internal membrane of the womb & the Placenta absorbed these Seguors & changed them into proper nouresh: ment for the Chelo of Mine is no Derect Cir. culation between the mother of tatus & how then can the Imagination of the Motherafeet the Fatus & besides there are no Nerves with go from the Mother to the Fatus. Mut allowing that there was a Direct Gerula. tion between the Mother of fecties vot the Imagination

Imagination can have no effect on the Child for the Corculation is entirely out of our power, we cannot encrease it in one arm is to he slow in the other, we can by Exercise, heating stime. lating substances encrease the fireulation but then it is over the whole tody a if the Image: nation can have any effect on the Chillet must be by encreasing the birculation in certain parts of the Child & I have shown that the Innequation cannot have the effect . -They betrewise impriste to the Imagination of the Mother the Foding to a imprairing from the Hody of the Child so that if a Child has two Heads or only one arm, it is esseribed to the -Ineigenation of the Mother; but ian there be any thing more reduculais than for allo man to dod any thing to the Child she knows nothing of she has only a superficial Town of the Head she does not know the number of Bones ac in the head & get she can form. one very exactly. This is quite abourd, but besides it gives her a Creative power & if she can ado a Head to the Child, she may as well form a whole Chils If -

It is also said that she can tuke away from-the Body of the buld as when a treggar comes to her door wanting an Arm or Leg that the Child will want of Leg or an Armalso so that contrary to her own Inclination & knowledge The takes away a beg or an arm from the Child also there is no appearance of that ley or - arm after Delivery dyet a build may remain ten years in the womb a net entire ; the absurdity of this is evident for it gives to the avomein a Destructive power à a woman who does not want to be with thild may Destroy the Child altogether as easily as to distroy a Legar un Arm: Likewise the Marked Chil. down are few in number when compared with those who are not marked a rest there are few Women who do not must with accidention the time of their pregnancy. Messons the Ima: quation of the Woman never ack till after der tevery for if you ask the woman before Dele. very whether or not her bhild will have a mark, she cannot tell you therefore the Ima quation never acts till after Delivery -Morriceau gives an Instance of this a Woman

was Delivered & Child who was black & the pa: : rents were white a when she heard it she as: : errbed it toher having looked upon a black frequently when she was with Child best the way was she had a Deflecult Dalevery of the Blood of the Chiles face was torriered & made ito face appear black but in twenty four hours it returned to its natural color . \_ \_ Manhind is very aft to swallow down we. -my thing that is miraculous or any thing that is improbable & thereby stories which appeared to be miraculous have been spread about immediately without enquiring into the bouse, whereas if they had delayed a little longer they might have leatned the bourse & then would not appear tobe in the least miraculous, thus three Men contest. eng who should do most for their things Country it was proposed that they should put a ley among Boiling water, two of them ded it with a considerable pain & the other ded it without any & the reason was that he had a book deg, now this would appear invaculous if the bouse was not known if you look into Gurner Ajouill see a great many

many Muraculous Stories. he has taken Mem all from forreigners of those of the word ore dit & ingland could afford him na more than two miraculous stories, he tells one of holach parents having white Child owing to the Mo. ther looking on a Poelure of Andromache when she was with fails & of the Falus resembling other animals, but when this is In base it is owing to a Defeit in some of The parts a not to the Imagination: he has a base also of a bhild being born with all this bones broke that are are assually done when broke on the wheel that we as a scribed to the Mother seeing a person broke on the Wheel when the was pregnant, but we have great reason to doubt of it; for he did not see it himself, it had remained 22 years in the Mother's worms of the ternum was not broke which is always the case when a person to broke on the wheel, so allowing there was such a pase it could not be owing to the pause ascribed. If we look into the foundation of These muraculous stories, we will find that they are nothing at all like the woman in Sufolhshin

Sufor shire who zave out that she had delivered Chabberto & many saw & believed it to be true the Queens Manmidwife went among the Rest & likewise believed it; but at last it came out that in order to get some money (being very poor) she had crammed some habbits up her areigina. I could mention many bases where the magination ofe: rated very strongly a get had no effect on The Child I may give for an Examples Mary Queen of the Scots, but I know a Lady who about four years ago was travelling to London & in her way a beggar came to the Chaire Door wanting an Arm asking alms, the Lady was thin such a short time gone with Thele that she was not oure whe: ther she was with philo or not, whon severy The man sharvas in a great fright of faint I was very bad the whole time of her fireg. nancy owing to this, she came to this place to be delivered, after I had delivered her the first thing she sisked was if the Ehild was entire in all its parts I hold her it was then the told me the whole story; in this

base the factus was young when it is supposed that the Imagination works must powerfully upon the falus. Therefore I consider frights & Longings have no effect whom the Falus As it happens that Monsters are born & Marks whon Children we must see your can account for them in a bellir ways. If the shines taken of two bonleywous fin. Jin & put clos together they will four hime en this way wins grow together atorm monsters We see the snowpen to other ani: mals altho each falus has astherate s memberanes & waters yet by one pressing upon another, Marmembranes breaking & the shin being rubbed of both whin these parts come in contract fileres shoot out from both & by this means are joined to gether, -We see the same in wins of the human Species, each have their membranes &waters & The Umbelieal bord splits in two & serves both & when they prepon One another & the shin come of bath of Them then Sabres will shoot out & they will grow together. see Ambroise Pary,

who has a great many bases of this, there is a variety of them, Some where two sire found into one others where there is one head dates Bodies & others where there is one today & two heads; but this is not confined to the human species but takes place in other ani: mals a not only in levelparous but in Ovi: parous animals & therefore the imagination of the mother cannot contribute to this forms: thon of the Child . Sometimes Chileren resemble other Ammals but this is owing to a want or change of position of some parts of the body & especially of the Head. I saw a Child born whose frontal bone slanted streight buch & the Parcelal & occupital hones were very small so that the Cavity for contain: ing the Brains could not admit a walnut it lived for 3 weeks & then Died of convulsion to head resembled by the means more of that of another Animal Man that of a man I saw unother full grown bhito, it had presen: the wrong & the Subour was Pedious as was sent for to turn it, which I did a brought it away, it had no frontal Carectal or

Vasifital Bones of the highest part of the head was the Base of the Sphonoidal Bone & will thereby resemble the head of another animal more than that of the human spices. We have some instances of the head being entere: ywanting, cometimes there are three heads but all these Breadfull monsters are not confined to the human spices but is found in all other animals. Children sere pretty often marked which has been imputed to the effects of the Imagination of the Mother They are all awing to Deseases of the Child in the want & was the This of other Unimals as plain as ours we would see marks on them likewise & we perceive these marks in Vegetrables therefore cannot be owing to the Imagination I we must seek for another Cause & His owing to giver or a greater number of the miliary Glands of the Shen & if they are run together they will form markes of Deferent hinds. Part. - a begin with

The situation of the Child in the Womb. Disputes have arisen among Onysicians about the setuation of the Chelo in the Momb . Some thenh that the head was at the bottom of the Mant & it tecanio thell some time before Delivery & Their reasonis that as the fatus swims in water a the head of the fatus when young is who a briader a lighter than the other parts & thereby will float to the Bottom of the Words. They despute again about the time that the Thild turns it self, some say that at the swenth month the Chold's head becomes heavier than the other parts & thereby turns etiels at this time Thers thent that the Thild does not turn thell tell the Woman has taken her Labour But it is plain that in Natural buses the head of the Child is always at the mouth of the roomb for I of the philo was always to turn itself by there being a searcely of water de praternatural Labours would be more frequent than they really are.

9 The atterns is so connected to the Child that it has not room to turn itself 3 Muscarrages are found in all the differ. ent periods of a wom and pregnancy yet the hind always poresents. A In all Mass women we examine before the full time the head of the Chilo is always get at the Nouth of the Words, estner the 5, 6, 7,8 or 9 months. Therefore the Fatus does not alter its position. The Child in the Words bees on neither its Back mor kelly but on one side which is the easiest for the Shill & when the Mother has taken her pains it descends with one lar to the Is pubis a the other to the Os Sacrum. The Germ of a Womans pregnancy is considered Hind months; Homen may sometimes make mistakes on their calculation whether they rection the Lunar or formuted months & if they reck on by the Sunar they will go past their rechoning Some thenk that 34 weeks or 273 Days is the time, some women have been pregnant A4, 45, 46 d 47 Weeks din these bases the

Child was as small as one born in the 36 or by". month, therefore these Women had mes rechones. I find find by observation that the team of a wor mans pregnavey is Nine complear months & Ten Day from the time she was last out of or: -der or having her Minses in due quantity, but this relle is not amerceptionable for Ital an Instance lately where it failed, but thenil is very selsom that it does fail. There are some women who elways deliver their Children in the Seventh month & never go longer, others at the Sixth but these last never did any service, but very after those born in the sewenth month did very well, then -are instances given of Children born in the Soxth month doing very well but the may be owing to the women reckoning wrong for when she thought the was sex she had been y" months gone with Child a Ineveryet saw a Chile born in the sixth month do well. Some have said that a Child born in the Tomonth Moreve better than those come to the 8 month & the reason they give for it is they say that every hill made an effort to be delivered at the of month d if it failed it required to remain forty days longer before it could recover the shock it received a thereby a shill of & months was not so strong as one of yomanths; but this is falses for a shill of the & anonth is more likely to proofur than one of the 7 month a one come to the full time more than one come to the eighth month.

Of Births,

The Nationals or where the Chils presents the head of where it is delivered with great easix wethout any Opistance

The Daborious or where the thele presents the head but by various bereumstances the La. bor becomes Jedious.

In The Praternaturals or where the Child presents the feet or other parts of the Body or Some imagine that Labor corresponds with Conception, a therefore Deliveries happen mostly in the might time but the reason of them taking their Labor pains in the Night time may be tietler accounted for their the former supposition, we find all sorts of Pains are worst when warm in

204 in thed as Abeumalie, Univeral pours to therefore Women is more afit to be sevied with her pains when warmen the - A certain Gentle : man imagines that the Day may be divided ento A Series, 2 Tedeng Series & 2 Elbing levies, in the Fiding deries Children are born & in the Ebbing Series people Die, but this is all image : neary a without foundation a to satisfy myself Jone heeped an account in the infirmary A of 30 abomen who were delivered in one winter 17 Were delivered in the Thorny series d. 13 in the Elbing series & if you look to the Sournals in the Informary you'll find about an equal number born in the Day & night; Mireforethis Opinion is imaginarys I shall now con sider

I Natural Births,

Some Women give evident marks of their -Delivery being et hand others give no mark till the Labor pains have come on.

The marks that some women show before the Labor pains come on ure. The swelling of the Alicomen faller lower down, this sometimes happen

happens a Day or two before the pains come on a cit other titines I en or twelve days before them & Munifore you cannot be certain of the time of Delivery by this only you may be almost certain that it will happen in tenor twelve Days. This is owing to the Allerus falling lower in the Celvis - Another Mark is a Droping of Aucus from the Vagina . This is owing to the mouth of the womb delating a tille it is mucous matter colored with Blood spices forth, this com: monly happens within 21 hours of their pains. another is a constant Inclination to make water I this is owing to the Uterus falling down fur: ther in the Sibdomen & not allowing the Bladder to be distinded to its full length! Cornetimes They have a constant uneasiness for 12 hours before the pains come on which is owing to the head of the Ehild irritating; the mouth of the There is some variety in the natural Burths

There is some warrely in the maintension but the most common way is this. — If a woman is come to her full time the mouth of the womb delates a little of the Chilos head profess on the mouth a produces the Labor pains which promote the Expulsion; I have said

306 said that there are Inue & false pains & Thewe already distinguished them; "as the Child. advances the pains become more frequent & Thronger a then the mouth delates very fast perhaps before the pour came on it was no larger than a shelling & lefter the pour thous be the largness of half a brown, when the mouth of the womb is much delated yould feel a part of the membranes & by the news: tence being taken of that part & the pressure of the Chilo within they will destend gradually I become thenner dat last break, it happens Sometimes that they will break without the women having any pain & wowing to the mouth of the alteres being dilated for some time I by the want of resistence at the part. They gradually become thenourd thennerd at last break; but the most commontime in which they break is half en hour before Delivery, but there is a variety there, they sometimes break in the beginning, some. times the meddle built most frequently at the ind of the Dabour; after this the pains are much stronger than before a by the woman managing them the Child is expelled. Tohy

Why is the Chile always born in the ninth month? Tome Authors have endeavoured to account for This of Dispute's have arisen thereby, i'm cay that it is owing to the Child becoming sobulty that the mother cannot carry it and longer but this does not account for it, others say that the build at this time wants more mou: : respensent; both these Openionor are con: futed by this that altho the Chilo dies at the light month, yet it is delivered at the North of it neither encreases in boulk from the 5 month nor does it want nourishment at the ninth. This quistion is entirely in the Dark & cannot be solved & all we can say is that it is an animal Low which is different in Different animals but the same in the same Genus . \_ \_\_ As soon as you know that the woman wen Labour you must provide a proper part for Belivering her in . The posture of the woman in Delivery is different in Deferent Nations, these in England, Paris de Muy delever Mem half lying half sitting in a Chair Bed in Germany they Deliver them in Bed I in stilland they deliver Them on the bouch as it is called . The women

208 sets with her homes upon a pollow supported by a woman before her & the Midwife delivers her from behind; We should use that position that is the . most convenient a which will answer in the great. est variety of bases a Mat is the bed; the inconeremency of the Chair is that by lying for a length of time in it they may catch bold as they will not be so warm as they would be in their treds; indeed in the Informary they are not so aft to catched this way as the rooms are very warm & they, are not long upon the bouch; but Momen very often between the poins are inclined to shimber Mereby they would be better in toid ... Labor is a bontraction of the abdominal mus. cles & atterns in order to exped the Shild die should endeavour to favour this Contraction due afoist it by making firm the Insertions of the Muscles for by this means the Contraction will be the stronger. Therefore we must make the hands, feet & the Spine of the back bone firm Ili these circumstances happen in the Infermory The feet is made firm by two preces of wood. The hands are made firm by them holding the eides of the bouch & their Spine by lying upon this Backson a Mallrufs, but if a woman waste lye on the floor upon her hack, her feet & hands

are not made form & her pains will not have so great an effect as when these parts are made from Leonsequently the Delivery will be more Hois tus, if she is on the bouch a person stands before her with a Towel which the woman pulls a another person is behind her to support her wach, by the means all these parts are made firm, but then this position is attended with many Imeanweniences; When a Waman is in hen own thed she lies on one side, no matter io. but it is generally on her left side for the convenuency of howhing with your night hand aperson stands at the buck of the Bid with a Towel which the woman fulls d another person hes at the foot of the bed that Mirwoman may prefs upon to support her geet & another sup: ports her back by putting a Sawel about her waist & halding her, These Geneumstan. ces encourage her paine Lads force to the Expulsion of the Hatus; There are many advantages reaped by being in bed, the Woman is obliged to turn hirseff in many positions of the Labour is Pediaus or 2 A hours, & it can be done more easily in the Man in any other part, she may be inclined to sleep between the pains of this is more easily done

910 in Bid a asit happens sometimes in Jedious Labours that the waman faints, it will be best to be in Bid at this time. I there are many other advantages received by lying in Bis If you see the person sometime before her time is expired you can order to have every thing in readine to either appertaining to the Womanor Child, I be sure you have all the bordeals in the House as Sh of Hartshorn Spt of Lavender & Were & a Mag & pipe in case there should be a necessely for an injection. When is the Homan to be freit to bed! If it is the first Child you need not be hasty list of the Woman has had Children before you may but them to to ed as soon as possible, for the first -Labour is never so hastij as afterwards, after The Woman is fruit to toed she may bye in any position that is most easy for herself untill the Labour is far advanced, then you put the woman in a proper position which is to lye on her right or left side but generally it is on the left asit is most convenient for Touching, you Double a pellow & he it so as to bleep it in that position & put it between her knees which supports them a heeps her thighs at a Distance. a person wait the foot

toot of the loed, another at the backerde of the Bud with a Towel or maphen with the woman graspo & another supports her back with a Towel as I have already said. The apristance which you give the woman here is very small you only examine her from time to time not to do his service but to know the progress of the buld, a to receive the Child which it comes forth; you need not examine the woman un. tell she is put to told, unless the membranes are broke before you come I you want to know how for the Chils is advanced. It is a common practice to make the Woman change her Drefs by putting on a Bed Gown de luit this is wrong she should not change her Done to as she may be aft to eatil bold. Alittle pomatum is recommended to be rub. bed whom the Externel parts when you exa: mine the Woman in order to facilitate the Mahaurby lubricating the parts, when there are little waters this varvery needs any but when the waters are in sufficient quantity. This is meedle fo as the waters well bebreeate the papage: In a Common matural Labourne aprotune is to be given until the Chilso head is come forth then you take hald of it, but do-

do not do this hastily & after taking hold of the head pull it out gently, but as the necks of Puldren are Short you may Jake hold of the Lalice or the Hairs of the Labrading with the head ( especially if you take hold of it hastely) which will give the woman more pour than all her labour; if after the head is out the avomen has no pains, you must not full out the rest at this time but wait tell the woman has another pain which will be a great deal easier to the woman than take ing the buld away when there was no pains, When the head is born & going to full away the body you must avoid prefing the Child eigainft the Pereneum of the Women as the branches of the Os Ischium will toke hold of its shoulders & hinder the Delevery but you must carry he Child rather upwards of it will come away more easily when the bhild is born you'll turn it upon its side for a little that the realer which is in its mouth may run out. The next thing to be done is to extract the Pla centre, this sometimes en easy labours is very deficult & in Deficult Labours is very easy. Authors have Defered about the lime \* When he head is born the way you take had of it in order to extract the rest is to find your term fore fingers over the hind head to the rist of your fingers inter-

diolurbance when they were removed to their how I they were greatly surproved at such a Bully substance coming away after they had thought every thing was over. But if two hes - file were to follow the Deferent methods, one to extract it immediately after Delivery & the other to delay half an hour or an hour, this last would succeed much better their the other. The meaner the placente is to the mouth of the womb the placestra will come away with great. er case & the longer you refer to hathe it away the alteres will contract the more of the plo: -centa will come at last to the mouth of the womb & by dilating it causes the after poins which happen when the placenta is abowed to remain a Mereby is expelled, Mirefore it is much better to delay the extracting of the Placenta for some line, & in whatever way you intend to extract it never be in a herry, Those who are in a hurry their reason for doing so is that they are afraid that the mouth of the word well contract & Mureby It cannot be do easily extracted afterwards but this does not signify for the bonbracion

of the bottom is stronger than that of the mouth of the womb, therefore the contraction of the mouth will be soon overcomes; So it may happen sometimes to be half an hour or archour after the Delivery before the Placenta could be deparated of it mould be im. possible to keep the Chilo exposed all that time without injury, or supposing that the Placenta would come away in three or four minutes after Delivery, yet the ambelieul borsomust be cut, of forto give a young Ledy the Chilo after Delivery with the bord of Clacenta to the it : she would be afraid, never having seen the Whe in her dife. Therefore it is proper to cut the navel string as soon as the Child is born, but previous to this we must make a Ligature onit in order to stop the Blood running out of the Chile by the Umbeheal arteries, some have said that it is unnecessary to make a Degature on the Arteries as after the Child is hown the Cerculation is stoped in the bored the bring Instances from the Morutes their They make no Legatures on the navel strings but est them thro weth their Geeth, somehave magined that the stoppage of the Blooden the navel strings of Britis was owing to The manner in which they were divised

216 for the Umbelical bord is grawed a tore by the mother which will stop the flowing of the bolod but if it was cut with a knife the blood would flow freely; but this is not the base for if you delay about half an hour after Delivery the Cerculation of the Polood will be stopt in the Nakel strings of both the human Spices & all Brutes & Merefore no ligature will be necessary dit is not owing to the manner of butting the Umbelieal Bard in animals that there is no hamorrhage but by delaying some time after they are brought forth a you may observe that the first thing that the toruk does is to look for some time at her young a admire them then she siche them all over on Then she divides the Navel string, so there is some time spirit after they are brought forth before the Navel string w Divided to awheat shows this to be the base if you take a preppy a little time after it is whelped & divide The navel string with a sharp knife yet no hamorrhage wit follow, therefore it isnot The manner of Deviding it but the Delay Muit no hamorrheige follows. By what I have said you see that the ty-ing of the Navel string is not nicefairy,

I you delay for sometime the dividing of it, but as it is not so proper that the Child should remain that time exposed, & there are few instances of homor: Thages altho it is delayed for a little time when the hord was not lied & if there is only one Instance of a Child lowing blood in 500 in this way, itshould determine us to make a Segature on them all. Therefore the lying the Umbelseal Gord is proper. You what is the most proper part of the bord to make the Legature on? Cheselsen and Some others pretend that the tying the Good near The Chies Belly is of the greatest consequence, for if it is fare removed from the Willy the thild will be more subject to Hernias, but This is a mistake for at whatever part it is Divided it separates at the same place; but as it would be inconvenient have about do or eight Inches of the Bord lying upon the Chile's toilly, which is the most easy way for the Child & Merefore about two Inches or three fingers bread the will be a sufficient length. It is of telle consequence what you too it with, some use threads folded in order to type it securely, others rese worstes as the formeres expt to cut the cord, but the worshed does not fold property

properly, others use della threads folded, but of the Mercad or Sells cord is pretty thick it well not cut the navel string, What I commonly use for this purpose is a piece of small Tape I as it is a little toulky I make the knot very form. The manner of applying it is greate sim. - ple, it is done mostly under the toes cloaths, you apply three fingers of your left hand a: pon the Good next to the Child's hely which so the proper measure for tying It is with your other hand you put round the bord of make a very firm knot of then unother to keep the first one fast, some advise to take twoturns round the mavel string before your make the knots but one is sufficient. I some: times apply a second Signiture of cut between Them but the only intention of this is to trup the Child clean, as when there is only one ligo: ture the blood which is in the almbelical bord by the cutting may fall upon the Child I make it ploosy which may surprise the person to whom the Child is given then hing that the Child is hurt. after making fast the Signture you cut the navel string, your must cut it about half an Inch from the Signture for if you cut nearer the Signture may

may slip of a Me Child may lose some Blood, you do this with a pair of daysars, but as this to done under the Wed cloaths you must take. great care that you do not hurt the Child as it may be sprawling a tassing its Legod hands up a down you may be in danger of cutting of a Tre or a Finger so you lan carry the Suspars concealed in your hand to the Navels Thing cut it thro & then give the Child to Nurse to Drepit. This small operation will taken reptive or three minutes in which time the Uterus will contract somewhat a Mureby the placenta will more easily come aways Authors have differed about the manner of baking it away. Some extract it by the Um: belieal bord others again introduce their hands up the Nagina & trake hold of the placenta & pull it away; the one is attended with pain & the other with no pain & by extracting it by the Umbelical bord you will be as successfull & with greater ease to the patient manif you were to introduce your hund up the vugine of lay hold of the placenta d'extract it a me see that the

expulsion of the Placenta is a Natural ofer -ration like the Delevery of the Chile & not as Mr Geford thought that it always required force to bring it away. It wond once in 90 times that the Extraction be The Umbelical Good fails & Jam obliged to introduce my hand up the vagina to extract the Placento, The method of extracting the Placenter by the Umbelical bord is, you take hold of the Cord as near the External parts as you can a pull it gently from side to side a in a little time you will be sensible of its lengthening, when This is the case the placenta is detached from the bollow of the atteres & stops at the nech of the word then you use a little force of make the women press down as much as she can & it will come away; but this is not always the base for sometimes it does not lengthen, then you are sure that the placenta is not detached from the Utes evers, Muresone you'll delay a little to allow the alterns to contract more & in the micen time apply warm clothes to the External ports Lgive her bordials a about ten merlutes after the former trial you may make another which

which may be as unsuccessfull as the former then we may refer for another ten mineites & the next time I will probably lengthen a by a little force will come away but if it does not come away we must try anothermethod but we may try this method for 200 3/4 of an hour before we try any other mithod. to this method will not always do on account of the umbelical bord being very Tender so as not the bear a pull without Breaking, I sometimes when The placenta is superalle from the alleres, the nich so much contracted that you cannot put it away by the bord unless you refer some time un. tel the Ulerus contracts so much as to dicate the mouth by pressing the Placenta down upon it d it then can be easily taken away by the Good, but before this can be done it will take an hour or perhaps upwards att would be giving The woman Disturbance so it would be better here to use unother method to extract it at once In atteres Contracts in different forms, it dometernes contracts about the middle of thenes of the appearance of an hour Glass having two Lavities a the placenta fix to to the applicavity when this is the base you cannot full aways the placenta by means of the Umbelical fond until the bontracted part is stretched a the

222 bord has not strength enough to remove this contraction therefore we must here use another method which is to introduce your hand intothe Utirus along the Umbelical bord which with derect you to the Placenta which you take hold of I full away a if there should be any contrave: ted parts in the atteres, by the introducing of your hand you Delate them & the placenta. comes the more easely away. you can take a good hold of the Placenta for by the contraction of the alteres it is bunnied together, but in the Delated state of the atteres it is flat so that you cannot get a good hold of it, so in most cases by taking a large hold (which you can easily) toked it will come away with great ease, one hand is sufficient here a you can use that on That you can use best; it sometimes happens that a person may work an hour & out tohe it away & another one may take it away ina moment. This is owing to the Posture of this Woman . by the reteries being far up so that you cannot reach the plekenta, if she is by : engon her back the atteres is a far way towards the as pubis a in this posture often you will not reach the bottom of the Word but if you put her on her side or knees, the cutions

Utteres comes further down a Jam sure Mast in these postures I can orach the bottom of the word of every person, but I am surest when she is on her knees. You may sometimes hear of difficulties of separating the Placenta from the Ule: rus but this never happens for by the Contraction of the Uterus the placenta is pursed & you can take a good hold of it a altho a piece of the placenta as: heres firmly you can take hole of the piece that is sepainated & by it pull the rest away kasthere conothing but a few small refuels & some hel. lular mambrane tone here it will give no great painto the Woman. It may happin that the Umbelical Gord is broke now what is To be done? But the case is not much different from the former for all the Use of the Am bileal and was to direct you to the Placenta, so all The difference is that you must be sure to lay hold of the Placente & not hat whe sedes of The Alterus; so you introduce your hand & I may happen that at the mouth of the word or in the Wagina you may meet with a but: my substance but when you lay hold of it you will find that it is of a loose Fertilie so you'd know this to be Goaquelated Blood, when

you have got your hand into the cavity of the Ulerus you will know when you meet with the placenta for it is ferrier than a clot of tolow but softer than the atterns & if you pench it if it is the Placenta you will give the woman ow Uneasiness which would be great pained it was the atteres so you lay hold of it & extract I . There is a proper time to do this dan Im: proper time . The Proper time is when the avo. -man is severed with her after frains which you couse her to push down as if she had a bheld to bear a which afsists greatly to the expulsion of it: these after pains wowing to the atterns contro ting & pushing thereby the placenta to the mouth of the Word of delating H; The Allerus contract soomen a woman after the first Child than after: wands for the selonmer the Ulteres has been delated ed it will contract the sooner & of your put your hand whom the Belly of the woman a little while after Delivery you will feel a hard Tumarwit. is the attenus contracted & is about the bulls of a Child's head; Min atteres contracts sooner of the membranes have broke some time before the Selevery for then the Utleres has contracted sometohat before the Delivery, I when thee membranes break the moment before delivery

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it takes a longer time before the atteres Contracts. Inevermet with an Instance where I could not touch the placenter with the points of my fingers a extract it except one, I put her in all The positions possible but I could find noplar centa & therefore Slift it to Nature & the woman recovered very well but there was never any appearance of the Clacenta coming away altho' it is more than two years ago Mr. woman continues in perfect good health. Jouil see insternees in authors of the Placento not coming away untill the next lying in when both Placentais came away together I never saw an Instance of this, nor of the Hacenta not coming away but in the case mentioned. This fenishes what I had to say of extracting the Placenta when the Bull is come to the full Time. Lextracting the Placenta in Mortions There is no Danger in the Placente remains ing in the atteres after the Delivery of the fatus but it is much better if we can get it away after the Delivery den un abortion of the third month It is better to get away the place now the same Day that the abortion happens; but then there are

are out of Sown she is severed with a violent flooding a pains which are occasioned by the depuration of the Placenta & the contractions of the Bottom of the Womb to expell it; I when these happen the people are in a great Terror, therefore it is more convenient to extract it at first. This have of forceps are better for the purpose Man moss of Dr Buistons or Ambroise Pary's as they have blaves which may very readily take hold The substance of the Womb & theneby prove-Jutal, whereas the ones I use can do no ham that way & will take hold only of the Placenta do not use Ulerino Medicines in order toexpell the Placenta as some people do; but I do not know any such medicine, that aren act on the Ulerus in particular; The mediums used for this purpose are heating, & stimulat. my & may rather do harm; but then the Placenta is not to be expelled by Musé med: cines for the expulsion of the Clacentaise Business of nature, & efet was left to nature it may remain two or three Days before to se: parete but it is most commonly done in that time sometimes estated it remains mine or ten Days but never above it & Merefore I would

would never give a woman enry of these mideines as they will not forward the Expulsion
of the Plecenter but may hurt the Momen.

Lit is better on that account to trust it to Na:
ture. When the Abortion happens in the 5,6"
or of manth the facility of the womb is so much
inlarged of the Neck of mouth so much delated
that you can introduce your hand a take of
away the same way as when the Child is come
to the full time. This finishes what I had to
say of Natural Burths a the management
of the Child immediately after Delevery. I gonow
to consider

I The Laborious Births

They require more shell than the Natural of protesmatural Dabours for in the protesmatural Dabours for in the protesmatural Dabours here are few Prules to be observed a those very existly remembered, but it requeres a great deal of shell to know how much the Womancan suffer or the Child can suffer with safety, like wise when to attempt the Delivery for if too soon you may indanger the life of the Shell or the Mother or too late you will likewise endanger the Life of the Mother of Child.

A Suborious Burth is only a greater degree of a Natural Mirth, the one does not exceed twenty four hours a the other may exceed forty eight. The Laborious Merths are divided into 2 differentheres I Altho the Lubor is tedeous yet the person is delivered without the Apristance of Instruments I Where it is impossible to Deliver without the assistance of Instruments. Without Instruments. If twenty jour hours have elapsed from the the time the atterns begins to Delate to the Delevery then it is this hind of Saborious Buth The other is when three or four Days have clapsid from the time the atterns began to Dilate at last Instruments must be used to extract The Cheld, Mut there is no rule when to use Instrument's as sometimes it may be need sary to use Instruments in 914 hours after the Utemus begins to Delate & at other times altho it has continued 2 or three days yet may be Delivered without Instruments, thus if the pains have been very strong & the woman bury

Delicate d'is now veryweat altho she has not been en Labour 24 hours et will be necessary to ask me Chulo does not advance &

230 use Instruments in order to save the Sife of the mother of perhaps the Philo, again if a Woman has had brifling pains & es strong & Robiest & not aveaknes altho she has been an this way two or Moree Days yet we are not to use Instru : mints. However I shall you a few general rules Alloman is never in danger who has been ill 24 hours from the time the atteries beganto Dilate if the pains have not been strong a not much impaired in her thringth. Awoman is never in Danger when the mouth of the womb is not delated altho she has been forty eight hours in Labour & the pains strong. Awaman is never in Danger win where the mouth of the word is Delated but the membran are not broke of the pains pretty strong. In all these bases there is no Danger of Instru ments being used as in the first there are not pains sufficient to expell the Child a in the two last the Child is hindered from advancing . -We are very apt to judge from the Time only but this would be swoong for we would thin use Instruments in some Cases Where there were no occasion for them & sometimes Delay too long the using of Instruments where they were me--cefsony & lose the dives of both mother of Shill,

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but we are determined by other Corcumstances of twould be impossible to mention them all dans to be learned by Experience only. You'll find a great variety in Common Natural Labors with regard to time, thus some will be in dex, which is very quick, others in twelve, which I look upon to quech also a others twenty four hours from hi time the atteres begins to delate till the delivery. None of these are Laboreous Berths but of it treeds the last period of the pains have beenstrong & frequent then it is a Luborious Booth. A Laborious Merth depends upon many o Dallses, a this or may be owing to the mother or (ful). The Mother. Mengthe Jurs! Child. Women are always worst in their first Child perhaps may be 36 or 48 hours in Labour where after they have born a few thil Foren they well only be a few hours. Some fire tend that they are no worse in the first Child them afterwards of give some bases where they have been easier in the first Labor than afterwards. but this is not the base there may be a few instances of this but Experience shows that they are al. ways worst in their first Labour 20 When the Oclais is rather a telle marrower than

than it should be they may be in Labour for 3 hor A8 hours & if you allow time for the Child to model to head to the Buvily, the Delivery will be per. formed wethout the Use of Instruments! 3What has been thought a very frequent boun of Laborious Wirths is the oblique Setuation of the Uterus, that of the bottomost he want fulls to on side the mouth is derected to the other, thus if the Postom of Me womb fulls to the Preght side the mouth is Derected to the left or if the bottom fall forewards the mouth is backwards dweenerson Mout this is not such a frequent bause as isimagined, for the atteress at the full time is about twelve Inches from the fundus to the mouth which last is connected to the vagino I the body of it is loose a allow that the bottom should move four Inches to one side get there is not a great alteration in the mouth, forit will move to the side only the 12 part of four Inches, a if you examine the mouth of the word in Suborious bases you will almost always find it derectly in the center of the Peles This shows that this is a very rare bause I" The External parts & mouth of the Utions become Rigid; This is often the case with -fursons who are old before they bear sheld ren, in

in examining them you'll easily know when .. This is the Gause, for the mouth of the womb is found to be very thick whereas it is common. Ly very then, so allowing the bottom of the Words to be an inch in thickness & the mouth in com: man bases to be 1/2 an Inch, here the exertion of the bottom of the word to bontractions may soon overcome the resistence of the nech amouth again of asis in this base the bottom & the mouth of the word are both one inch in thick. ness. They are then on a par & it will require greater exertion of the brottom of the womb & very strong a frequent pains to overcome This resistance, but if you will have patiene here the Delivery will go onvery well. 5 Another Cause of a Laboreous burth is the Thickness of the membranes so that they go not give way & Mereby the pound do not make the Child advance as it is hundered by the mim. branes, until such time as the membranes are broke the Child will make no progress altho Me mouth of the Womb is sufficiently delated dif we would have patience till the omembranes break the Delivery would go an very well. ... b' Stack pains & this is the most common bause of a Laborious Burth & Mis may be swing

234 owing to a variety of Gauses as I Any thing that prevents the head of the Chills from fare fring against the mouth of the worth dif there is no pressure against the mouth of the want the hains will be slack and ? Altho Mure is something pressing against the mouth of the wormbe yet if it is not bully a weighty there are stack pains, thus in prates : natural Labours there are often strong. pains at first but afterwards are treffling This is awing to the waters coming down in a bulky form a pressing upan the mouth of The Titeres causes strong poins but whis they come ecuser there is only a leg or an arm at the mouth of the alleneis which does not prefs much upon it & thereby the pains are slack. so if any thing hinders the head of the Chils from pressing against the mouth of the word or from doing it in a large form there will be sluck pains, & this may be recessioned by 1 Where the Pelvis is too narrow at its havin to as to prevent the head of the Child from prepay on the mouth of the atteries or if it not in a bulky form 2 altho Mr Pelvis is of a good siese yet when the head of the Child w too land the samewell happen

3 When the Navel String so often whout the Cheld that it becomes too short to allow the Shell to prep upon the mouth of the warms. 4 the woman's first Cheld in Mus case the pains are always slack, it is difficult to account for this but I imagine it is owing to the Want at this time is unacquainted with the method of Contract Thon a thereby does not contract so mist us what it does afterwards. This is only a bonjett - we but be it as it will Women are more hable to have slock pains in the first Child their refterwards & you may often see that altho May have slack frains in the first Child they well have very strong poins in the second. 2. The fault being in the Childs. 7 A Laborious with may be owing to the wrong position of the Child, thus efet present with the hind head towards the Os Pubis & face towards the Os Sacrum, or the face to: wands the Is Queis & hind head towards the as Sacrum, here the longest part of the Chilos head is low ands the shortest part of the vilves, as the natural way of the head discending is the one ear towards the Bo Pubes of the other Fowerds the os Suevern. In this ease much stronger pains are needpary to force the

bhild down as the bones of the head must al ter their shape a model them to the Cavity, in This case the Os frontes a Os Occepitis well be pressed inweirds & the Ofsa Parcetalia will be forced at a greater distance from one and Mer. In Mrs case the Labour will be more -Laborious 8th When the Umbelical bord is twisted about the nech of the Child a makes it so that that the buld cannot come down, the tienst: ing of it once or twice will not hinder the Delivery leut of it is three or four times twisted about the Child's mech it will make a Tedeaus Labour. 9 When the Child is Dead. It is difficult to account for this that altho the som so less you the Leebour is more Tedeous, some have thought that it was owing to the Living Child making way for strell by its motions which could not be done by a Dead child, but this conot the case for many living Children do not move until My are born & yet the Labor quelle v: nough. The way Innagine is that if the Child has Died about three weeks before delivery the neets is not sufficiently delated nor the orifice thenned at that time & it remeins

The same at the full time as the Child does not enereuse In this case the Much ness of the nech of the Womb will be much about a par whereas where the bhild is alive a come to the fall time the Mottom is Mucher Munthe neck of the alteres; therefore in this case it will require a greater action of the bottom of the Womb & abdominal muscles to expell the Stile as the resistence is greater. When the Chile has been Dead some time in the Utirus, it Samitimes happens that it is three times beg: ger Mun it should be & this is owing to puton. faction being begun by which the Girisranified a trakes up greater space & if your cut any of the muscles of throw it among wo: Fir it will owin on the surface. When the khild is so large there must be a Laborious -Burth. New what should be done when no Instruments are to be used in ader to facilitate the Labour, for this we must consider the -bauses deparately as the method is different ineach and sot When the First Child. If the Warmanis pleshorie we should use to leeding which relieves her by cooling her, causing the repols

238 to lengthen & to use a greater Exertion when then hains come on. It there is great Region. ty of the External parts apply formentations or prays of Chamomile flowers boiled in war ter & renew them when they cool . When the Labour is redious the parts may become Rigid by exposure to the bold dir a therefor in all Tedraus Labours apply a formentation 2º The Pelvis too narrow . Nothing but patience is necessary, to allow time for the brilo head to be modelled to the Belies & after the hear present Brim the Labour warry quets . -3 The oblique selection of the Uterus . This! said very selsom happens, but it should be the Couse you can with your fenger rep the Ute. rus to the center of the Pelies. 4" Augustity of the External parts & mouth of the Atterus. This I said happens to those Women who are old & in their first fire grances, ween should here apply formentations to the External parts of if we see the person some time before she comes to her full time we should order her To set over the steams of warm milh & water every night for some time before she expects her pains if the Sabour is Jedrous we should Blood her as we should inded perform on

every woman who has a severe . Labour , & apply Emollient Substances to the parts of forentations 5 The Muchness of the membranes. In this case you must break them, but sometimes you are not able to do it with your fenger as when you profo it inwards it yelds untill it comes upon the Cheld's head of then you cannot mels any further, a you cannot hake hold Them such your finger & Thembe for they are so sleppery; what youll find answer away well so the probe of the gemale Catheter, but as Momen are assense to all Instruments be: ing used dyou cannot introduce this with: out bung oven I therefore make a show I putting them to the South & I rut the mail of my finger who no them & wear them so thin as that they will break at the next pain & You will find this the best way for of thema: bour was Tedious & you used an Instrument to break it whould not be done without her knowledge she would fint the blame upon You for breaking the membersenes .. The wrong posture of the Chilos head Here you clin do nothing for you cannot turn the head as you cannot take hold of

241 Woman by giving her some Innocent thing da very good way is when you see patienes is require ed you can tell them to call in un hour d you will give them a medicin, when they call, de. tuen them some time longer & then give theman Innocent mixture a the 10 to take two spoonfuls every yor's hours of perhaps before she has taken three Doses she will be Delivered a thin great effects well be impulied to the midicine. you'll find a veriety of accidents which happen about the time of Delivery which may surprise you funacquainted with them & I shall therefore mention some of them. Some Momen when they come to their full time are seized with wolint sechness & no pains hier they will not bure of this lele the Labour pains are come on & then it goes of a is ow = ing to the build irritating the mouth of the Eterus & Merefore when Mey are sevied with Tehness & come to the full time Jamsure that the Labour pains are all hand; however You may give them some bordeal, Some Momen have sickness all the line of their pregnancy owing to an Innitation being made on the allines beythe profsure

of the Accominal muscles upon the Intestinis which came down upon the atterers & Invite to it : again cannot remove this till Delivery . -When Mamen are come to their full teme they are often seized with violent shiverings , -This may alarm you as you may think that tes the Ague or a Weed, in this case you may put them to bed a apply warm things to their feel as Bolles felled with warm water & some bordials, but theors a sure symptom of the hains being nigh & when they come on they will be removed. After the Sabour is far advanced about two or three pains before They are Delivered they are often seited with an Universal Shivering which is owing to the head of the Child prepeng on the large Herves which come out of the Celuis. When Women are come to their full time they are often served with Hainling fits. of there is no dignee of Hamorrhage here there is no danger a all you have to do is to give some Cordials which agou should have always ready at hand: They are at this time likewese limble to Fluxes the same Irrelation or the Homach which when applied to the Intestenes, I now consider

2 The Delivery with Instruments Yawoman has been in Labour 36 or 48 hours I the membranes broke for twelve hours before. this, the mouth of the Want Delated of the Child far advanced near the les Externum & the pains which were before strong are now become trif. fling, here we must have recourse toother me: Thods a there are two methods to do this To turn the Child & bring it away by the feet. 2 To use Instruments to bring it away I' It is extremely difficult to turn the Chile when the Sabour is so far advanced & by the Child's hear being so sleppery you cannot get proper hold, but the Difficulty arises from the Membranes breaking for such a length of time before, by which the Utteres has contracted close upon the Child so that There is no room for to term it & ifyour attempt it by pushing the Child further up & turn it you may burst the alleres which will prove fatal to the woman a therefore we must have recourse here to the 2º Instruments a those employed here we the Fillet & Francesis. w" I shall consider. The

244 The Hellet. This is used with more danger than the Forceps, it is very difficult to get it over the head of the Child & when you have got it over it is ready to olip of hut suppor it ded not slip, it requires a great dear more force as it does not bring down the head in such a proper position of by that greates force being used it Galls considerably the Head of the Chilo. Therefore the forceps are preferable. There are a great variety of The Fellets buit the Whale bone one is the sim -plest the edges of a piece of Take are sewed together de round piece of whale brone is introduced, you double it I entroduce it I put it over the hind head of the Child, then you withdraw the whale bone & pull out the head of the Chilo, but as it has not an very form hold of the head head it is very ready to slip over the head of you put the fillet over the Chin et raises up the head so that it comes clown in a larger form A as the frusts will require to be more dis: -tended it will be more painful & greater force will be requesite; therefore thefulit is a bad instrument There are many more

fellets but they are all more complicated than The one I have mentioned & consequently worse Therefore these should be laid aside. The Forceps They are a Modern Instru: ment invento about a pentury ago deven when they were introduced by the Chamberlane's they were known to few untill Geford make them publick. They have undergone many Changes since their Invention. Quesac' was the first who changed them after the Inventor but the blades are nurrow a the handles long, here the blades cannot take such a firm hold a by the Flandles being long they are not so manageable d'portable. Juford mude some alteration on the Polado he made them broader & hollow but madens alteration on the handles. Amellie anade wood. en ones, but of Muy were small inough they would be too weak & of strong enoughthey would be too blums y a take up too much room, he made them broader of the Blades I Sharter of the handles . he saw the incon: venience of & Murefore had recourse to Steel Ones & covered them with Deather which so very convenient as by it they make no noise

946 & they can be used without the warman know. - ing, which they sometimes have an aversion to, I you can out them overwith Pomation to make them go easierin . Brownton made some alterations on it, but his instru. ment is worse than D' Gusae. ajouil find a rearriety in the Curves of the Blades, but much more depends on the sheld head being far advanced than on the blades being burved or streight, for if the Childs hear is far advanced they may be delivered by forcefrs of any figure but if the bhilds head is not far advanced they cannot be de: - levered by the forceps, let them be of any figure you please. Dr purton delivered Inany with one blade of the forceps only. I mention this to say that there was a secret in Holland a nowady was Allawed to practis midwifry unless they were possessed of this secret, it was made publish at last by Mony De Brein & Mis secret was Delivering with one blade of the forceps & he says that he used it ninetien times in one year with great succeps, but there is not a person of the greatest practice in Sonson or else where who is obliged to use the forceps timetien

Nentientimes a year, so there is a presump: tion that he had used them in melny bases where there was no occasion for them, I the forceps should not be used in every base, unlifo there are an absolute necessity for Them as you may sometimes but the titures of other parts by Mem. Method of Delivering by the Forceps The bases where the forceps are proper are when the Child's head is low down in the or Peluis near the Os Externum, dwhen the-Child's head is up in the torem of the Celuis They can be of no lese. prefore you use Them the Labour pains should be pretty much Jone or if they have been very inconsider. able the whole of the time of the Child's head law down then we must have recourse to the forceps. But in the first place yourmust know the position of the bhilds head a for this purpose you must Introduce you hand laterally up the vagena. The mothed of Touch ing will not answer here for by touch. ing you may touch the head but then you cannot tell the position of the head by

Now suppose the Child's head in the natural position with the face to the Is Sucrem, the hind head to the Os Pubes & the Fars to the Office Slie, but before we introduce the tolades of the Forceps we must enquire into the state of the Poladeer, if the women has not passed water for some time at distended with it, we must draw it of withouther butheter

249 Catheter in order to make more room or if the philos head preps repor the Urethora so as that you cannot introduce the batheter you must push up The Chelds head of then introduce the Cathelir d draw of the water. The next thing to be done is to put The Momein in a proper posture, she must be laid across the toil with her Breach equal with the fore side of the bid you must have several apristant to support her Ligs, you must sit ona low stoll below the woman, I rub your hands over with Comotum in order that your hand may go in the more easily & the introducingo! your hand will delate the external parts to when you have introduced your hand to the ear of the Sheld you entraduck one of the blades of the Joneps dit is best to introduce the left hand blade as by this you make the forming above which is the most convenient; after your hand is up to the Ear of the Child you work up the left hand blade gently upon your hand untill it is a little over the hear of the build & Shen withdraw your hand & hold of the handle with the left hand, then you introduce your into the other lateral part of the Celbes & Dhe introducing your hand is necessary on another account for gyou entroduce the forces without himby conducted by the heard as there is the post the vogena where it joins the there is you may fush the forces to the original where it joins the there is you may fush the forces the way in the arazena united of conducting them to the Ulerus

reach the other ear of the bhile a by pressing the head of the Chilo to the opposite side you fet the left hand blade of the forceps & then your left hand is at liberty then entraduce the other Molade along your hand tell a little above the Ear of the Child a then with draw your hand a lock the forceps; it is better to have them to lock without the vagena for eft was with en it you may happen to pench it by the To ching of them, & when the forcepo to che you are sure that they are right, you need not be in a hurry in lying the handles as you do not know but what the woman may have pound in a little dyou must then extract it, but when there is a long time between the pains as it would be encon venient for you to hold them all the times it will be proper to tye them a before you begin you should ask a Rebbond which will make the woman think that your are to use at as a fellet of they have a good ofpeneon of this. Then every time the woman takes her pains you work from sede to side a when you have got the read wethout the arch of the Do Pubes

you must bhange your position for instead of being below you must be above the woman't full upwards as you see this is the nectural way for as soon as the hoad is without the lirch the head goes towards the warrans Belly Merefore we must imetate this a pull with the forceps whwards with one hand swith the other support the Perinoum, after you have got out the hear you untige the forceps a baho them away de you will easily make the Mody follow the head, I when the head is low clown in the pelvis you selsom mies delivering in this way but when high up, it is impossible to use the forcefro . -When you first practise the vagina some = times will be so much contracted that you think it will not allow the introduction of your hand but altho it as seemingly much contractes yet by putting in your hand gently & des. Finding the parts gradually youth introduce your hand with great ease; sometimes the head of the build is so far down that you can: not introduce your hand I here you must push up the head of the Child a little of you may do it easily; Sometimes the attirus is so much contracted upon the Child Mat it. will not asmit your hand between the head

head of the build of the Uterus so in this case as you cannot conduct the forceps a you do not know the position of the Child's head you must introduce them at random a you must suppose The head in the natural posteine as this is the anost Common case of the pushing the blades thro the flap of the avegina cannot happen as The alteres is delated equal to the sure of the bails. Sometimes it is difficult to introduce both Min blades of the forceps laterally, you may introduce the one but not the other, histyou may introduce it behind a then worth it represented it is taleral, you are al. = ways sure that the forceps are night when they lock & the hands are together, for they are not right unlifs when this happens, dis very Defleut to introduce them both to as to make them lock for if the one blade be further up than the other or a little lurine they will not lock - Sometimes when you have got a tolerable hold they will slep it in this case you must fex them again. The extracting with the Forceps is more or before impracticable according as the head of the Child is more or less ciduanies, when the head is pressing on or near to the Os Exterior

this is a proper case for the force po but when the head of the Child is up at the Brim of the pelves it is impossible to do any good with the forcesps I I mellie uses them in a variety of Gases in many of which they can be of no service. -The best hold you can have with the forceps is the Polades over the lar, the soming towards the hind head of the Extremities of the Wlades towards The Chen, by this way you not only make the Jorceps touch with more points the head of the brild & thereby have a firmer hold but you bring out the head in its smallest form with The hind head first. There are three different postures of the -head of the Child The Natural Position; Than given the Directions for the use of the forceps on this case 2 When the one Zar is howards the Bs Pulus I Me other towards the Do Sacrum, Misis In proper position for going thro the Brim of the Peluis but when at the Brimet is not a forceps base a you cannot make use of them unlife the bhild is low down in the. Ochies, d when it comes low down the head hould be in another posture the face to: -wands the as Surrem & the hend head towards

towards the Od Crobies, but then as is in this base the one car is towards the bes Pubes & the other forwards the 3s Sacrum the extraction will be more Difficult as the longest part of the head is to the abortest part of the Cleves. You must introduce your hand to know to which side the face is Directed in order to biring the hind head into the center of the Fel. wis when this is known you introduce you Jarieps in the way Desected of you the head? a quarter Turn which will bring the face to the Des Sacrum & hind head to the as Pubis a then extract the Head as before. 3 The face to the Do Puris & Muching head towards the Os Saerum, Mises an unfu--vourable Direction as the head comes out in a large form & when you find the large fountanelle distinctly you may be sure that this is the position, but you must not take the somet fountanelle for the large one, & to make sure you can. introduce your hand to the Ear of the hele which will show you with bertainty. you Introduce the forceps as before a extract it some advise to turn the head of the Child of D' Smellie's methods

is to push up the head of the Child a quest a quarter turn, but by making this turn it will serve no purpose as the longest part of the head will be to the smallest Deameter of the Pelvis, if Mere is no des: proportion of the head & Mait is as long the one way as the other, it may be deliverio in this way but it will be as well to deliver the pull as it presents for if the Couns are strong & a Disproportion en the head, you will be obliged to give it another quarter been before you can. Extract it which will bring the head head to the Os Cubio & the face to the Os dacrum. The 2 position is the worst as you are obliged to give it a quarter Turn & reduce it to the first & Natural position; In the 3 position The Chilo should be brought away as it fore: sents as we often see this happen done with blerable ease & wethout any assistance -The defecult Labour is owing to The Pelves very for narrow or the Chiles head too targe Me bones of the Head will not yeild in There are other positions which are the

and the state of t

Jack bases which may be resuce to 3. The & I cal the Sposition Where the face presents with the Chin to the O's Pubis & fore head to the Is Sucrum. The 2 or 5 Position is Where the face present with the Chen to the one as Thum a the forebead to the other. The 301 6 Position is where the face present withithe chim to the Os Surum & forehead to the Bo Pubis. These three positions are worse than the former three or Grand positions for the Labour paint cannot force the Child down unless the Child a every small for the Child must come down in a manner Double for both head & christ com together. The way you know that the brill presents the face in any of these ways is when you put the woman to the Touch you find some inequalities as the Nore Eyes mound but this well not tell you which of the three positions it is in for this purpose you must entroduce your hand into the Wagina deary It up to the Child's head of by finding the Chim you'll know exactly the position. When any of these bases happen you should endeavour to reduce them to one or other of the three from -cupal bases, thus in the A position you must bush up the tody & pull down the head of thereby

257 thereby bring it into the 3. In the 5 position by pushing up the tody & pulling down the head you reduce it into the 2. And the 6 posts. on by pushing up the body & pulling downthe head you reduce it to the I position. When you have reduced the face bases into one of the three. "wencepal positions you entroduce the forceps & do as ordered in these bases . But the forceps will not unswer in all bases when the friends head sticks in the Brimagthe Pelus & so owing to the Celus being too mar. row or the Child's head being too large which 's all the same the forceps can do nothing ord The head is in a wrong postione & the want of pains (which is a very great want) if she has not been long in Sabour by having pats: ence the frains may come stronger which well atter the bones of the Buld head & there: by may be Delevered but if long in labour The pains which were strong before are now become weak then you cannot expect a Delivery in the Natural way & the foreign can be of no Olse . Or when there is a very quent Deformity of the Peluis we cannot expect a natural Delivery & this is known by the head appearing of a sharp form but

but sometimes the Deformity of the Brem of the Pelvis is not very great yet it will not be a Natural Delivery & Me for ceps will be of grouse owing to the largenly of the head dets great assification so that it will not yells. At other times the bulk of the head is so great that the Child's head cannot come down as in a Drapsy of the head. In all these bases you may try the forceps as they can do no harm but of they fail we must have recourse to other Methods but the deffreulty is to know when to use these methods for it too soon the bhild will be distroyed which might be otherwise savid & if too late the pressure of the Child's head on the parts for such a length of time may cause an In-- flammation & endanger the like of the mother tout if the Child is Dead you may do it as soon as you please, the Child may be dead either in pregnancy or labour but the marks of the Child being Deid are very uncertain. I shall give the marks in the time of Pregnancy, When the woman does not feel the motion of the Sheld. when some accidents have befallen her in the time of pregnancy a moving a little

after this a then not feeling it any more, does not encrease in builts for some weeks before the full time but rather Decreases, a the Moman-Jeeling the Sensation of Colonessen her belly inhat Ja warmth rather greater than Natural which ( always the case when the Child is alive). There are the marks of the Child being Dead in the time of pregnancy, but they are uncertain for there are some Momen who do not feel the mo: lean of the Child yet they are Delivered of a Living Shill . Mout of the mouths are uncertain in the time of pregnancy they are still more uncertain in the time of Labour, for in this last boise you have but only a few hours when you must de termine wherease in the former you have de veral hours of thereby you can lay no strep on feelling the motion of the Child us it may be quiet for these few hours bne man is when you touch the head it feels very soft as if The Commium was felled with water instead of Brains, for when putrefaction haves place on the Morain it becomes soft. When you reel a large Tumar on the head, it sometimes happens in Defecult Labours Mat there is a Tumor on the head of the Cheld alive, but then

this Tumor is hard; but if the Tumor is very

260 soft a large you may be sure that the Child is Diad . The Lyuors coming from the vagine being Petris, but this does not happenunlip the Child is dead for come time. The pulsation of the Anteries of the Child's head not being felt but this is not a sure mark the best ways to introduce your hand a bake hold of the Navel string & if the pulsation is stoped there you are sure that the Child is Dead . The seary skin coming of when you touch the head of the Bull buil This does not happen unless the Child has been Dead for some time). These are all the. marks of a Dead Child & many of which are very alncertain. I shall now suppose a Moman has been 36 or 48 hours in Labour, the memberanes broke twelve hours before this, the pains which before were very strong are now be -come very weath or entirely fone & the Chelos head not far advanced being up at the farement the Veluis, you may try the Lorceps but they will very often fail here & therefore when They fail we must open the Chias head Opening of the Childs Head, It wo within these few years since they de: · levered in a muchanical mounner. My used

before that time to Delate the reagina & make room for the build to come away ofor this pur pose they had Specula Matricis of different hinds , but they can never be of service, for after you have Delated the vagina with them I then withdraw I the vagina will again Contract to its former side or if you allow the Instrument to remain it will hinder the de: levery as it will be in your way so Mat you can do nothing & the hand is in best Speculum Matricis that I know of, for by The hand you can use as much force a delate it as much as with these officeula & you can do it by the hand with more case to yourself I less pain to the Woman & Merefore the hand is better than any Speculium Matricisavhot. soever. Mut when the Michanical way? was introduced they and a great deal of mucheef for when the labour was a little Tedrous & presenting wrong they indeavour. to lay hold of any part of the Child whether Leg arm, to & pulled it away with the Grotchil & thereby destroyed many Chiloren that might have been sowed I by fixing the laws of the lorotehet sometimes by not takings

262 proper Care into the Womb of the mother & hilling her also; for this see de motte's obser. -vations who gives several bases of this. The Mist wedy is that of the Child's head is too large for the Pelvis to diminish the sure of the Childs head & extractit. There are a wa: = rety of instruments for the purpose & in order that you may have a notion of which is the most preferable. I shall give the properties of the one we want dismost fit for the purpose. you should have an Instrument that you can introduce to the Child's head with safety to the mother & one that we can perforate in any part of the head which is most commodious for ourselves done that can make the Open: ing large enough so as to adow the Morains to be evacualis. Morriceau used a knife, of a Irrangular form, but this possesses none of the properties above mentionedfor it was not vale as you might cut the reagena in the introducing it, it was too sharp & thin & only couls cut thro be tween the Sutures & not thro the bones as is sometimes necessary & then it only

made a Simble Incision & when the Instru-- ment was withdrawn by the pressure of the parts whom the Child's head, the Incision well be closed up & the brains will not be evacuates a Therefore improper. La Molle used a common brooked Bustory but the lay under the same Desadvantages you might have introduced it with more safty but then it wild not cut thro the bones but only between the Sutures a then you made only a simple Incision. -Fir Freeding Julich contrived an Instru ment for this purpose after the form of Month Petit's Sancet for opining Tumors in the Throat it consisted of a Luncet with: in a sheath & had a spring & when your pressio the dancet out of the sheath it would go in of itself when the pressure wastan hen of : deut when the bones are firm it will not cut them thro'd also it makes only a Simple Incision; det w also attende ed with great Danger, for if you fex the Instrument stanting whom the Childs head & push out the Lancet, it may go into the atteres & hill the woman. \_\_\_\_\_ Dr Simpson of Istnorews contrived a

265 length & then turning the Supars the other way I opening them you make in this way an opining in head of three Inches Diameter Therefore the Supar unswers all the purpo: ors intended Les the Bist Instrument of any; In hell of Dublin has made a pair of Supars but there is title deference between them & any will answer this perpose. When you anch use the Supars you were the same precautions as when you introduce the forceps, you first enquire into the state of the Boarder, if the woman has not made water for some time You introduce the batheter & draw of the water. Then you introduce your hand to the head of the philo & curry the Sufsars along it to the Childshead & apply it as far back as convenient for yourself for by piercing The Child head too near the be Subisofthe Moman you may happen to hurt the Ure. Thra, when you have fixed on the place you work with points of the Sussarson the Chelo's head in the same way as they do with the Trephine & when you have preries it you separate the handles by

266 which you will make a long Insision a then you turn the scipars crops ways & by opening the handles you make a bornical incesion but altho this makes a large enough opening yet the Brains have yet a ferm consistence &. will not thereby runaut, so to break Postose refeels a lessen the Cohesian when you have made the Incisions you'll put the Sufsars as far in the Granium as they will go a stirthe Brains about for some time with them & then they will come out; when this is done a great quantity of Blood will come away which may make you afraid of having hurt the woman but you must consider you have tore the Internal baroled & vertebral artires of the this which will pour forth a good quanter ty of holood: When this is done you withdraw them as cautiously as you introduced them by carrying themout along your hand for fear the stops should take hold of the wage. = no d lacerate it. When this is done you in troduce your hand to the head of the Child to know whether or not there are any loose bones for if you pull away the brill & some of the Mones being loove & ragged you may

injure the woman by learing the Ulivers or Vagina by them, so before going further you'll pull duray these with your hand, there is another reason for you entroducing your hand that as there is frequently a Tumor on the Child's head expecially in Laborious Cases if the deepsars happento go into it. they may gooup the length of the tops in it a not perforate the Cranium, & you know when this is the Case by feeling & then you must again introduce the Supars and perforate the Cranium. The Sussairs ofpen the Cheld's head by which the Brains are evacuated & thereby the sure of the head is diminished the next thing to be done w to Extract the head of the Chilo. There are many instruments contrined for this pur. pose, the one that will lenswer best is one that you can introduce with safety & ease, and that can take a form hold when it is entro. duced a one that can be easily introduced again of will take a firm hold when it slips. Morriceau has contrived one which he in-Troduces into the Opening a was composed of two circular plates of about 11/2 Inch indi-ameter the outler one entered edge ways into

268 into the Opening live by pushing it up again the inner part of the Granum which made the whole surface extended then he pulled it to -wards him till the shull prevented it from coming any further or then by a screw he jey the other plate on the outside of the Corunium I then pulled to him, Mut as the Bones here will be very loase here after the opening they will not gur resistence enough nor bear the force requisite for pulling away the head a body defonce it ships it will never hold again. There have been man Instruments formed on this plan but still Morriceau's has the preference. Some hos used the Straight brothet for this purpose but this does not answer for if you have made an Opening. The Claw of the Crotche is at the edge of the bone which will not be firm I will bear no force; but many, do not enter it into the opening but to take hold of the head outwardly, litt it is not con venient for this as the head is burved & the Carolinit being straight it does not homos it. Da Motte used forcefu something Whe those used in Extracting the Stone in Sithotomy with which he took hold of the

269 Mones, but they are also improper as they have only a small hold. The best way is now to long to extract the head with The forceps which may answer now altho it could not do it before as the some of the head is now much Diminished a the forceps will often answer I you have a much biller hole with them than with any of the above mentioned Instruments but sometimes the head does not diminish so much by the opening made that you can fey the forceps & therefore this Instrument will not answer in this base d we must have me-Course to enother mothod & now we must use the Constehit not the straight but the Growned one withis last mentioned one agrees bist with the Conveyity of the Childs & Merely takes up less roam & likewise you pull out the Child by in a more proper Direction. The manner of along of is this, you introduce your hand into the Pelvis laterally & run the Corolehet up with its side upon your hand till you carry I to the Childs head, as in this way it hatrisup beforeon, then you for it with your hands into the him head of the Child by making it recore the Bones, when done you withdraw

your hand a apply with hands to the handle of the Crotchit & pull from side to side a at the same time cause the woman user her force in firef: ing it down by heeping in her kineath ally This me and you may ex track the head. Some recommend the using two brotehers, one on each side by which you can use more force by you fulling one I an afsestant another. but the two brothets can be only used in the beginning a lettle after the sevembrances break as when they have been broke for son time & the waters run out "the Uterus with be so much contracted that you cannot fer them both d on this account they can be section used as the membranes are a long time broke before you use this Instrument a Inever use any more than One a jund set unswer neary well. Never carry your brotehes any higher than wheit you can lex the point will your hand when introduced, for if you go higher than you can reach you may fet The Claw in the Uteries as well as the phile d Mereby Distray Mr Mother. If you use a great deal of force & the Bones gene was suddenly & the same fore bantinues, you

may hurt the Moman by the Claw fixing in the Allerus or Magina in the way comingout, you know a little before the Bones is to give way by them becoming loose so when this hasthins you can full cardiously; Sometimes you'll fend great defleculty in getting away the Bons of the head I may fey the Crotchet 8 or 10 times before you get away the whole of it when You get away the head it is sometimes difficult to take wear the woody, but if you should be so lucky as to fex the Corotetiet so their you full The head without the By Externum & the body followingst; you must with draw the Grothit as can housely as you Introduced it & pull it away with your hands . again may sometimes work two hours without pulling away any of the read of this is owing to you not getting good rolds & when you worth so long unsuccessful. by you may be ready to give over the Delivery by thinking it impracticable, but after this you may get a gues hold & full away the Child & first when I began to practise I sometimes thought the Delivery impracticable by working some hours without spulling away a piece of the Childs head but yet by presisting

in it I delivered them at last, therefore never quite the Moman while she is in life. It is surprising how much a woman will suffer sometimes in the brothet bases of yet will re -cover as quely as if she has had only a Common Natural Labour, So whatever det : feculty you may find in Delivering by the Grotehet or turning the bhild yet persett in it I you may do dat last; I have sometimespulled the head in pieces & then the body would not come away of heisto then introducer my to indiavour to get hold of an arm & diliver it or turn it & deliver it by the feet, the difficulty in gilling away the Body is owing to either the Alle rus bung so much contracted whom it, or the body praternaturally encreased, a if it is owing to the Atterus being much confracted whon the Body, by entroducing your hand into the Allerus you will delate it & then bake hold of the Arm dust force to pull it away defan may after succest in this way, but when the thild had been some lim Bead the arms are very Jender & will come away with the least force & I have after seen them both give was & then you must gix the bring it away . When the Ulenus is contracted much upon the tody it is deficult to turn it & bring it away by the feet a you may sometimes burst

The alteres by doing it, therefore it is better to pull it away by the Arms as Derected before. If the Cause is awing to a Doropsy in the Aldo-

men or Thorax you will discover this when you put up your hand to the tody by feeling the

Thorax or Abermen much enlarged, when you find the abdomen enlarged you can frush your

Junger throat which you can easily do I when

The water is evacuated you can pull away the

not long ago a by this method I delivered the

Tody with ease. In cases of either the Abdomen

being much Distended or the atterns much con:

tracted by the Introduction of the hand to her-

forate the Alidomin or delate the Utirus, you

may by this means easily Deliver the body;

but when there a Drappy of the Thorax which

can the much of hinders the Delivery you

cannot perforate it with the finger & therefore you can introduce a pour of decisors of pierce

it or use the Grotchett. These difficulties

in Delivering the Body will sometimes happen

when the Theas is delivered with ease as when both the head of the Child & Pelves of the mother

and in proper proportion and to another & the

head come down in a proper position yet the Ute nus may contract strangly on the Body or the Thorax or Abdomon of the Chilo may be protes -naturally Distended a Meriby hunder the deli-= very of the Body. This method of ofpening the head and delevering with the brothet will not answer in all the variety of Pelvises, it answers when the Defo mity of the Pelves is at the Morin but whe the Pelves is Deformed below as well as at the Borism this method will not answer & we must now have recourse to The Casarian Operation This operation is performed at two Deferen times either immediately after the Death of the Moman, or when the mother is alive in order to save both the mother & the Chile. For Frelding bullet shows the improposety of performing Mus Operation when the worden to alive & show The Danger by other wounds of the abdomen as a large wond of the helly & a lasion of the In testines is always mortal, he says the same wiell happen by cutting the alteres & by the great number of blood wefsels which are cut in the Operation the Moman will be soon Distroyed by the Hamorrhage, but

a Lasion of the Intestines is worse than thetof the alteries for there are always matter part: sing thro the Intestines who not the case with the Veterus & by the sudden contraction of the alterus the Incision will be soon contracted very small in a short time so as not to admit your finger of likewise by this sudden bantraction the refuls of it are also con: tructio by which the hamovrhage will be -Stoppio. Therefore this Operation is not quite so Dangerous as he Imagined & we have many instances of their not being any more Blood lost in this Operation than after a com. man Natural Labour. Hyan look into-Authors yould find many bases where the waman has been lost by this Operation not being performed & have Died undelivered owing to their pelvises being much Deformed, Inemember I haid once a lase where of this peration had been performed who might, have a chaince of Living, she had been il same time before I saw her & ripan touch : ingher I found something long & soft wh Took to be the Breach of the Chilo list upon Introducing my hand I found it was the hear of the Chilo & I found the Pelvis was - excudings

276 exceeding marrow of the head was so far up that I could give no apistance with the forceps .? ordered her to be stooded a to want all neight he see of the Pains would bring down the Child any further, the next day the pains has has no efect on the Child as it was scarely any further advanced a I waited tell night a the Child was only a little more advanced, the woman week now very wear & the pains almost game so? had recourse to the forceps & extracted the Chil but the womano Dies hus Days afterwards & upon Desection the atterns & Nagina veere found grute black. You may meet with fat sometimes that you cannot belives by any Instrument then you must have recourse to This Operation Dangerous as it is, huit your must not be too foreward in performing it for if you can do it by any other means it will be preserable to performing this I'm. nation. Shall show the buses where it is accepsary to perform this Operation 1 When the Pelvis is so narrow that you cannot get the Child sylvacted. I What has been mentioned by some duthe -Atterine Fotwer for this Operation is Extro

you'll find many bases where they have remained in The Hody for 10,90 & sometimes 30 apears west the end of which time the purts are very Distinct, in this case it is not necessary to perform the Operation to in: danger the Momans Life for the removing a small intonvenience dyould find bases of theofolis making an opining for itself by its forming an abufo & will then come out. Therefore it is unnecessary to perform the Operation in this case 3 Where the Ulerus has bursted of the fatus gon into the Ceivity of the Abdomen: this operation must be done immediately after the Ripture for he Warnen well won him Meak of will de withen two Days. It will therefore be necessary to your the Sympoms of the Child getting, into -The Courty of the Abdomen. When the Sheld firesends the head of the allerers thoroughly delated Pains pritty frequent & strong & all of a Sudden the pains to go of entirely & the head of the Child o desappear Then we may be sure that there is a Rufsture of the atterus. 4 Some Authors say that it is necessary to perform this aperation when the Cagina is much contracted with Breatries by accident befallen them before or abstructed with Turrhows

278 or fleshy Tumors which hinder the Child from being Delivered But you'd find many Instan : we of the Dagena being very much Contracte but in the time of Delivery with delate easy enough de you'll find instances of large Tumos in the Cagina which did not interrupt the De · levery & Monfr. gives an Instance of a Moman in Labour who had a large fleshy Bu mor in the Vagina it was so large that it would have enterrubted the Delivery, he therefor cut it away & she was Delivered easily. There of the Tumor is so very larry you can cutt away which makes the performing this ofu: ration unnecessary here. Alho the atteres is resplicied it is not necessor my to perform this operation unless the whole of the fatis is out of the attenus, for if a part of the Child remains within the Uterus you can take hold of it of Deliver the Chilo by it Therefore this operation is only necessary when the Peluis is very neurrow both at the Lower part & Parism or when the atteries has pourst & the Child is wholly into the Cavity of the Abdornen . When the Operation is need sary it is of the greatest consiquence to do it soon be fore the weman is much expansion

279. K shirefore it is of the greatest consequence to de: termine early whether or not a Gase requires The Operation . When you find all the marks of a marrow pelves as mentioned before, you then introduce your hand to the Policis & the space at the brim you can measure with your Junger & the somb & find it about 2 Inches or 21/2 mehis the largest Deameter of it, you have no Shoise in this case to distroy the Chilo to save The Mother, for the force & length of time that are requite for extract the Chelo would hill The Mother entirely, indeed it is hardly possible to extract a build thro a pelvis whose largest Diameter is only 2 or 2 1/2 Inches . Merefore we must bry the Operation. The only thing necessary poerrous to the operation is to empty the Bowels un order not to Disturb The Patient for as long a time as possible after The Operation . I for this we give her a dose of Physic which will operate the most speedely La Dose of Salts will do it as soon as any de. we may promote its operation by giving an Injection. This being done you next put thewoman in a proper position & the most proper position is to be half Lying & half retting & this may be done in her own tois, dome order

280 the patient to be fixed on a Table in the posture above mentioned, but the tred answers as well is is more Convenient for the Patient. Next you ches the side you are to ofwate upon a generally it is the left side as they are aftrend to operate on the Right for the Lever, hist there is little danged of wounding it I if you find the one dide more Destended than the other take it altho it bethe right side, but if the Melly is equally Distend. to you may take the left side . some choesethe middle as in this way they do not cut the great cles, but this is not of any consequence fort is not the butting of the muscles that endan. -gens the dife of the pratient & they soon heal up. now the side is determined to be the place for operating on, we then mark the place exactly with a pend into that part we are to make the Incession, we make the Incession between the Os Flium & Navel, beginning a lettle below the Naver so as make it sufor seven Inches in length without going too for Down, you make the Incision with a common Scalpell you cut the common teguments clowly first the shin, then the fat & the muscles & then your come to the Penitoneum, but before you cut that will not be amelo to the any velsels which

which pour out any quantity of tolood, & of the Perstoneum is cut & the refoils not tied the Blood may flow into the Cavity of the Abdomen; after tying the reefeels you cut the Perisoneum & make as large an opining in it as you think necesso: my. Then you cut the atteres but you must de it a neverse way from the Common Eiguments You must cut it gruckly, at this time you must have an apistant who introduces his hand to the attirus & supports it to hinder it from falling down a the Theonvenience of this ist's 4th Utimes should fall below the ripper port of the Incision the Intestines would come out at it I this would be very troublesome to orduce them. Therefore we must indeavourts keep the alterus closs to the Incision & not to allow the alterus to fall down, then you make a small aprincing into the Ulteries of in which you introduce your two fingers of the left hand I run your knule along them I cut up as much as you think much are then take hold of the Child a the Placenta which will easily come away, next you were away all the Goagulatid Mood from the atterus: youll functive that the atterns will contract very fast so you can take hold of the leps of the

of the wound made in the Uterus & heep them together for some time which will make the atteres con: tract in such a way that the lips will be closs together, then you dress the External wound which is by Using the Quilled Suliere making three or four dilches & leaving a small hole in the un. der part of the incision to allow matter to be evacuated in case it should be formed. yould find great Difficulties in performing This Operation. Thouse performed it lever The ferst woman had a watert vomiting for three months before she came to the full time Lwhen I had cut into the Allerus I could not hull out the Child as its head was fammed with The womans Pelvis, can assistant introduced her hand into the avergina & pushed the head upwards & we had enough of Defeculty to get it out; the Child did two Days after of bonvulsions owing to the Compression: Athe vameling, continued with the Moman after the Chiration which forced open the wound several times a she died about two days after the Operation was performed. The other one had a bough for three months before the full time of in her after I here of un. to the getterus I could not find the Chils as

the placenta acheris to that part of the Ulives which I had opined a therefore I was obliged to cut thro the Clacenta a got the Child but .-The bough continued violent after the operation a produced the same effects on her that the word: ing did on the farmer a she died in two days afterwards. The Child is alive to this Days Both these Momen did not love more Blood than what happens in a formmon Natural Labour. The memoers of the Academy of dur gery mention that this operation was first performed in the year 1300 by a Man upon his own wife, his ountation wasto bastrati Animals, his wife was in hard Labour & could not be delivered, he went a got an order from the Magrobrates that he might perform the Operation which he accordingly did tooth the Mother a Child survived. Exacile find in Authors several bases of the woman dur: viving the Operation & were bases where it has been performed on the same Woman fere or six times & survive is them all; but it is generally fatal, it was performed once at Landan Lonce at Paris within these few years of they both Died; this is an Operation that

that is allinded with great bush & belle Surg so that very few recoverit's therefore when the Celevis is large enough to allow the hills to be extracted in any way theo operation should never be attempted, ait is our last resource). Several Authors have not thought as they have performed it when her was not the least occasion for it in parts: -cularly Monfr who performed it twice one in the year 1746 & the other in 1749, the first was a Laborious case where the Chill might have been delivered withor the forces or at most the brothet, but as soon as her was called after hearing that she had been some time in Sabour he proposed the Thur tion immediately & performed it of the woman Pelvis was of a tolerable good sure. The one en the 1749 was a proternatural Sabour, the breach of the Child presented & without so much as attempting to turn the Child & Act. wer'it by the feet which he might have don't with ease he performed the Operation; both the Children Dies but lucky for him both the women recovered & bore Children afterwards in the common way which shows that there was no occasion for the Operation.

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3 III Praternatural Births Ane when the libel presents the yest as any other hart of the Body the head excepted ) to hunder to Delivery by the feet. In an ay be delivered by the labor pains alone, in others it is impossible that the Taker hains theel force down the Chill unlift afristance is given: Hone or both feet present the Calour pains will delever the bhile, but whent w Double the Sahour pains can have me effect I the further it devices from the forthing bases The more dificult it is. Thus when the Chill fredents its back to the mouth of the word of the feet up towards the bollow it is impossible, that the Sabour hains can force down the this I have you must turn the Child & bring Haway by the feet, When the Chile present the hands the Child is then lying straight out with its haines at the mouth & feet at the Bollom of the Allerus & this is quite the reverse of the Easiest of the praternational Labours you leven the child & bring day the feet but this is deficult here for the alterns always contracts according to the form of the brill which in this rade is in an oblong form by which there is life room for himning of this

986 is more deficult according as the themserves have win broke a long time before it is per My ight woman has had Labour pains for this will mot the Utterus contract closs upon the Buls . a) Me may discorna praternatural Subour before The Child is so fair ricvanced as to feel it; when he pains are not strong a the warmen long in labor the may contride that it is a praterhaticrals Labour for the prepure of him Extremely again the mouth of the words will not Delate it so much nor cause so great pains for these becumstances depend on the buth a weight of the part on the mouth of the Momb, but we are more cartain when the Child it further concensed. Some say that in a Proternal -al Lubour the orners brevnes come down in along form den a Natural Sabour on a Roand form but this depends on the mouth of the Mondo being more or less Delatio, for yet is not much Delated in a matural labour The membranes will appear long. In a proternatural lease the mouth of the Manne will not have the same weight I built as in a Natural base & by this you may? Anow some weeks before the woman as com to her time whether it will be a trolernature Labour ornot! But if some what about need in the so the se arethe 3 house of free motional labours when his the Shet present the feet! Wody or hands a so the feet:

287 the Sabour you will know with certainly for You may feel the Joes & heel of the Chile distinctly thro the membranes . When the feet present you allow the Labour pains to force it down, but there is a Dunger hat the head should seek after the body to bonn & therefore you should put the woman in a further posture in case your aprestance should be nequeste for you Delevering the head; in common Labours the woman lyes in thedon her Side as I have said before but when this is the case the must bye acrofs the bied with her Breach equal with the fore side of it. Astrue thought the footing bases more ravourable than the Natural ways but this is not the base a Stappocnales thought them to be perilous because he selsom sow any but over delevered by the feet but what wed in the ratiour; but then they are not so premious as Refepocrates imagined. In all footling cases you should allow lime for the Body to advance slowly so that the mouth of the Alleres & pafsage may be Mouroughly Delated so asto Extract the head with greater ease; Sometimes when you have got out all to the Shouldersk then sleeps a the body cannot be born on account of both the arms lying whewards along the head, here you cannot deliver

The head of the Child is come to the full time unlife

a Warm bloth & wrap it round the Chill as I will be sleppery d of the Head steel in the pelous you do in the same way as directed before. When the Breach of the Child presents you introduce your hand I pull down theregs I then you file from side to side a when you have brought it went to the Shoulders which will thek on account of the Arms lying who wlong the head then you bring down the arms as be: fore but sometimes you cannot reach to the Top of the Shoulder to bring down the Sorms, here you must wait tell the Child comes further down by either you hulling it or the pours of the mo Heer bring it down a little further then you full down the arms & Deliver the Child as-Directio abover. Sometimes the Child only presents one foot now whether shall we deliver by the one food or bring down the other? We can deliver by In foot as well as by them both dit would therefore be brifling, to introduce your hand a full out the other one, for when you have brought out the Breach of the Child you can easily bring down the other . So when one last presents you'll wait a little to try of the Labour pains will bring the Child down

290 of they are unsufuent for this you must take hold of the foot of the Child & pull it from dide to side as perfore a when you have got out the Brecick of the Child the other good well come down & their you Delever the Child as Directed before Sometimes the build is in such a position as the Rosley of the Shilo is to the Welly of the mother & the two feet present & the hands are at the hottom of the Womb. So far it is the ham with the former that you went some timet try of the Labour pains will bring it down if not you antroque your hand, take hold of the fait & pull it down as before mention -id; but when the Breach is born a the tod - ly in the passage you must reduce it to The first base by turning the Chilo d it can be easily done when the Belly is in the pass sage as it is very flexible; if you did not turn the Child you would meet with very great Defecties for it would be imposs: ble for you to bring down the arms dal the fare of hind head must come down at The same time which takes up more room Then when the hind head comes last. - when the breach is born a the Belly in

The passage you take hold of the Breach it a half Turn & a quarter turn a then bring back the quar. ter turn again. The reason of this is the half turn brings the hody into the first base vis the back of the Child to the Welly of the mother, but the head does always tollow the body executly therefore by giving the quarter turn more it will bring The head in the proper position & if it head been on the proper position before the queertes lurn was made it will make no alteration son you see this quarter turn is absolutely neigh: sary & you then bring buch the quarter lum again which puts the philo in a proper position, The womain has no pound to torothe Shill in this way & the field is not in the least hurt by it, new you take hold of the bhelo & pull it out as before of there is no deference in this base from the former unlifs in pulling, down the Arms in this case you must intraduce your hand wito the apposite side to where you turned the Child a you'll get that arm with the greatest ease & bring it down & then the other one spaid bring easeer down by the first one being down The mason of doing this is that by the turning of the Child one of the arms is below the Child a she other is at a little distance fromit

you have the same variety when the Hoelly Tof the Child is to the Melly of the mother aswhen the touch of the bhild is to the back of the mother, when the Theld in this posite. on presents one foot, you deliver as before but before you can get the other by out The Child may be so far ad variced that you cannot turn it as the Child is turned east est when the whole toelly of the Child is in the passage so in this base you must put up the Gody of the while & give it the haif I quarter turn as before. When the Breed presents in this position you bring down Mu feet & Dilever as before 50 In Muse foothing leases you have had no Deficulty in Delivering the head, his it may happen sometimes that the head may steen in the pelves a may be diffe: cut to come away a it more ceft to be The louse in footling bases than in thos bases where the thild comes down in the Natural position as in the Natural po: - sition there is time allowed for the bond of the Child's head to model itself to the Pelvis which is not the pase in facting

Cases. There may be a Deficeutty of deliver. ing the head from The wrong position of the Childs head at the forem or bottom of the Peluis even The Me Pelves be large enough for the -Chiles head when in a night position 2 The resolut Contraction of the alterns whon the neck of the Child 3 When the head of the Child is too large or The Phluis too narrow I The wrong position of Mu Child's head 1 At the Horris of the Pelvis When the hind head is to the Os Puebes & the fore head to The Os Sacrum, in this case the longest hast of the head is to the shortest diameter of the Pelvis, which will occasion a Defeculty in bringing it down; The method you use to you take hold of the nech of the Child ! raise up its body toward of the toully of the mother which will bring down the fore head of the Child which makes the head come down in a smaller form, it may happen that the doing this once will not do we must make frequent movements in this way even that motion is sometimes not sufficient for You'll be often obliged to introduce your finger \* we cannot turn the Gold on this case aby giving time the bones with well yeld.

into the papage of put it into the mouth of the Child a full its mouth downwards to its priest of the most convenient way for holding the Child is to hold with your right hand a put your left heard on its Breast'd when it is newfoury to introduce your finger you for who the funger of your lett hand; by this amon you often get away the hear of the Chilo .-2 The wrong position of the Shell at the Bottom of the relies where the hend head ist the one Os Hium of the face to the other. In this case we must been the bhild which is sometime very Defecult to do for after you have been pulling strangly before your introduce your finger to know whether or not the head is in a firefer posture & thereby it will be formy fixed therefore you first push up the Child then make a turn so as to make the face to in the hollow of the Is Sacrum & you always know by the mouth of the Child when it is well turned for when you introduce your Singer in the under part towards the bodo: -crum you will feel the mouth of the Shell I when the Chilo is in the night position you may use a good deal offered & if you

2.95

be faligue'd you may got an afsistant to pull a long with you d it is surprising how much pulling the Child will suffer without being hurd often altho both the Accoucheur a afsistant pull for sometime with all their force yet the Child with receive no hurd:

3 Another wrong position is when the bear comes down with the face to the Bs Pubes and the hind head to the Os Jacoum the face may Stick with the face upon the Os Pulus Knot as Morrican Mought which was that the Chin was above the apper edge of the Bo Pubes & Thereby could not come down, but the way is There is a felling of the Or Sacrum by which the hind head is forced forwards of throws they'are upon the Bo Pulis & as the fore head & hindhead came down at the same time which requires a larger opening than when the one goes before The other & Mireby the head will stick fast. another Deflectly here is that as the arms are up along the head by which it will reguire a larger Opening to allow it to come down a you really cannot deliver the head unless you first bring down the arms & in this position it is broposible to bring down the arms therefore it is requisite that you should

2.96 should turn the Child of first you must push up the Child a then give the half turn a the quarter Jurn & bring it back the greater turn again a thin thering down the arms & Delwir the Child in the same way as before 2º The atteres too alrongly contracted about the head of the Chilo. The should be distinguish ed from the others as it requires a differente Treatment: agou may be ulmest containthat This is the Cause when the Mamon has has Children before & had always easy Salowers This shows that it is not awing to a Deform ty of her Pelves; when the Child is less than or Dinary of this Cause often happine in deli-- veries at the vewenth month; When the word is very subdenly Delated, it will as suddenly Contract; I you pull the Chile with force on this base you may separate the body from the heart and especially if the built at the se-- winth month as it is then very Tender a Mr. way you do here is you introduce your hand into the Uterus writer the face of the Child Ko delate the womb thoroughly a then pull away the Child gently. I had one Instant of this the acconcheur pulled the Chils with

great force by which the trody was scharating from the hear I was then called for I introduced my hand into the Ulerus a delater it das it was impossible to bring away the head by the Hoody as they were almost separate from one another, I introduced the brolehed & brought it eway; but if the person at first had in broduced his hand & divoled the womb the -Child might have been delivered with ease d'aires 3° When the head of the Chilo is too toulky or the. Pelvis too narrow. you have more difficulty in getting away the head when it comes last than first for when it comes first the bones of the head has how to model itself to the Pelvis . -I shall suppose the head at the Brem of the Clois Lyou have Examined the position of the head which you find to be right enough & have used all the farmer omethods & you continue hulling till the necks of the Chilo is giving way, then tue must have recourse to another method for by pulling the 1000 y it may separate & the head with be lett in the alteres. hany Instruments have been invented for this purpose of huiling away the head when the nech is beginning

to separale but they are all ill to manage & they bring down the fore I hand head together auchich makes a larger Opening requisite a the Instru. -ment that answers the best of any is the long Forceps which answers the avery well so when the Chile's neck is lender so that you cannot us force upon it to bring away the heard yacill in: traduce the forcefus in the same way as derected before I here make the joining of the forceps be towards the Chin of the Child & the extremities of the bolades at the hind head a by this means you make the hind head the last in coming away This method may answer when there is only a small disproportion between the hear of the form I bavily of the Pelvis, but if the Pelves is very narrow or the Cheids head very large the on: thoo will fail & we must have recourse to other Instruments a here we must make an open. = eng with the Sufsars in the hind head to dime : nesh the size of the head & then introduce the brolehet & full it away. When the forceps fail & the Disproportion between the Chiles - head I the Mothers pelvis you'll entroduce the protehet in the way I have before mentions & put it into the fourtanelle of the while dwhen you full the arotetet well ship tily

I comes to the Crebreform Bone . by which a large prining is made with well allow the Brain toble wacerated & thereby Demenson the sure of the Chilos head & you have now a firm hold by which you full out the head a besides you a hold of the head at a point of resistance beywhich you can full it out the easier, for the field sticks with The face fixed to the Os Pubes & the hind head To the jutting of the Os Sacrum & if you pull between these resistences it will require greater force than when you pull at the place where one of the Resistencies is made. But in general when there is no great desponportion between the Head of the Chilo & the Pel. wes of the Nother by the moving of the body so as to bring down the head, a the thild will be delivered & when there is no queat Disproportion you may freely use force The as expeditions as possible for the smal-Lest Delay will often Destroy the Child & It is difficult to do it expeditionaly in This way you may use the Forceps . -Sometimes wher from Mismanagement or the great Desproportion between the head of the Child a pelves of the Mother the head is left in the atteries a this rectioned the most difficult operation of anyin Miswifury by

by some as it is deficult to get hald of it, if you look into La Motter yould find two bases of the head being left from mismanagement who there was very troublesome to extract it a The reason is that there are no certain reces for Delivering the head & you'll find some. times when the acconcheur has given overhops of Delivering the head & have lest the Moman I when he called next day he would hear that that the head was Delevered owing to the Ulte. = rus contracting of forcing it against the mouth of the Uterus, delating it a producing pains which will force it down a it is certain that Nature will do it when it is awing to mismanagement, there are bases of the his remaining in the Utires Twinty one Days & was Delivered without any manual af -sistance When this arises from Mesma: nagement it is a true Forceps base for here there is no Desproportion between he head of the Child & Pelves of the Mother, the head to far advanced & the mouth of the womb Dilateda here you introduce your hand I turn it to its natural position wer to make the hind head present, then you cause an assistant to pres Murhand on and it remains there merely for want of pours the

the body of the Woman in order to make the head firm in the alteries then you introduces the forceps as Directed before & pull out the head . \* When this arises from a Desproportion between the head of the Child & Pelves of the Mo: ther, it is a Cirolital Case & you can never ex tract it unless you diminish the size of the head by opining it & then for your Crotified & pull-I away. Narious instruments have been con-Trived for this purpose Some have used a Sit bap which they entroduce & put over the head dby drawing strings as they do in purses they include the head within it & then full it out but this does not Diminioh the Sure of the head I will answer no better than a pair of forceps Leven not so well for it is very Defleult to put the Cap over the head. Mr Levelle & Ar Bell have invented Instruments but none of them are so good as the Common forceps. The method you use here is, you turn the head into the Neutural position as when you use the Joneps & cause an Assistant press with his handupon the Moman's belly to make the \* tout previous to the use of the long forceps you may put your finger into the mouth of the Child a lay to pull it away by it a the law bone is who to give way us the long forceps . . . ,

head fermiento the Ulerus & then you introduce the Siefsars & make an opening & inlarge so asto allow the tomain to be evacuatio then you may in: troduce your finger into the Opening by which you may full it away & if it fails you may by the forceps which may answer now altho they could not do it before as the head is mow much Demunished, of this fails also you can Introduce the Corotelet a fex it about the Orbits where you will have a good hold by which you may full away the Head with ease. It is owing to the not taking it in this well that there have been so many Instrument contrived for this purpose & have increased greatly the number of Mooks on Medwifery d none of the Instrumento contrined answer so well as those I have mentioned def they had heid the same anews that I have, they would have found it a very easy matter to extract the head. In every Case where the head we left in the Utirus by momanagement, you mayet. trait it by either putting afour finger in its mouth, by using the long forceps of by turning the head to it Natural position destracting it with the Common Forcepi.

303 Where the head is left in the reterus owing to a Disproportion between the head of the Child & Pelves of the Mother, by demenishing the-Juze of the head by making an opening so as to allow the Brain to be evacualled a intro ducing into the opening your finger, you may pull it away or turn the head you may ex = tract it with the common forceps, or intro: duce the Errotehet of fex it in one of the Orbits dyou are sure of Extracting &. So by some one of these methods you can easily extremt The head when it is left in the atterns. To far from one thinking that when the head es left in the Ultimes to be difficult to extract Shat I sometimes when the Thild is Dead pur: havely separate the body from the head in order to get it away the caseer for when the Body is seperated it is more easily managed & you can turn it to the natural position is get it away the euver which it we impose sible to do when the Body is found to the head & Merefore instead of this being a Difficult Operation as some have lina: them at is easier than a number of

30A 2 When the Child presents double a. I' When the Breach presents. Every Chill whose head is at the Bottom of Me want of presents either one or both feet or comes dow the of presents the Breach & may present in This way in two deferent positions where the Much of the Child to the belly of the mo: - Ther or welly of the Child to the Belly of the mother, but The most favourable position is the Back of the Child to the belly of the mo. - Ther. The way you know when the Shell presents Double is when you feel a bulky part presenting a that it comes stowed down I when the membranes are broke you know it by the softness of the parts & you may for the parts of Generation a you'll perceise by Miconium upon the cloths, but the meion. um is not a certain mark for sometimes altho the Breach presents there is no appear cance of the one consum & there are same cases of the meconium appearing when the head presents in a natural way, but this is very selsom. There is no great matter altho you should make a mis. = take in taking the Romeach for the head

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for altho you know from the beginning that the Breach presents yet there is no billeration made from the Common method; but it is but: For to know as the rooman may be inquering In Child presents night d if you say it does I the Breach to be presenting when she knows that the feet came first she is sure that it did not present night & may therefore intertain a bad opinion of your knowledge in med. wifery; so in any Ambiguous base you can tell that the shill es not so far down that you can tell with certainty whether it presents right or not. There are two ways of Delivering here 1 of allow the Labour pains to force down The Child as in a Natural Birth. 2 to bush up the Child & bring it down by The feet. I shall examine which is most fre: quently done. A you look into Authors youll find that the greatest number are allowed to came down as they present Ir mellies has 17 horach bases 10 of which were adowed to come done by the labour pains & of were delivered by the feet. Morricean mentions 26 of which the half were allowed to come away by the pains & the other half was Delivered by the feet. Mr Gestord had 12 -

Breach Cases of which 8 were Delivered by the Subour pains of by the feet . It of all the varieto we may at least rechon that one half are allows to come down by the Subour pains. In what cases is the one to be preferred to the other, or which is the Bist method! You cannot determine which is best method tite the Subour is far Edvarieed, If the Maman has been some lime in Lubour. The mouth of the Word sufficiently Delated & the membrand have broke about two hours before & the Child not advancing then you may bonclude that. The Child is too Multy to come down Double & The best way wo to push up the Child a lening it away by the feet, or if a little after the inem. -branes have broke the pains are very strong I frequent a yet the Child not advening then you must bring it away by the feet . There is one Drawback in a womans first (full for they have commonly a more Pediaus labour then, than afterwards & altho the Child presents the Break if time is allowed it may come away in that manner, but I believe it may be as well when it is very Tedrous to bring it away by the feet but you recommen has heir several Children of

had always easy Labours, the Child willcome away Double pretty casely or of the Child is small or there are Twins who are smaller Man any other Children, you may allow them to come Double. I shall now mention each of these methods more particularly &. When the Child is allowed to be forced down by the Subour pains ayou must look on this as a hommon . Yatural Sabour & you can give no apristance till the Breach is born & think is so far advanced that it requeres none, you must be cautious how you take hold of the -Breach as you may hirt the tohild Lyon are in more Dunger of that when the breath Than when the head presents as the parts of generation are very easily hurt; when the Breach is born you full down the Segs & Then you have reduced it to a footling pase I one of the best of that hind ver the back of the Chile to the toelly of the Mother, here yourwant to see of the Labour pains will Deliver the bhild huit of there are no Labour pains, you put a warm bloth around the Chils & then full a first when the Breach present with the Back of the Child to the Welly of the Mother.

I from side to side & when you bring it to the Phouliers you full down the Arms & then bring away the Head, you will have no def ficulty in pulling away the Fread when the Breach comes down first, for here the that is like a bone with the largest end coming down first, as the Breach & lego well take up rather more room than the head a there. fore the head will easily come away, but when the Chelo comes down with its feet first is is whe a bone with the smallest ind com: ing away first & Thereby there will some - times great difficulty on getting away the head 2 When the Breach presents with the toilly of the Child to the Belly of the Mother . In this Case you want till the Labour pains deliver the Breach & then was bring down the Digs but by this time there is too much of the body delivered you therefore push it up I give it the half turn a greater turn & bring it back the quarter turn again & when you came to the Shoulders you being down the arms as in the footling Gade which it is reduced to wire P. 9.91 In Smellie recommends the rese of the great hook in Mrinch Cases, you introduced of

and balo hole of the Grown of the Child & held daway, but then you cannot intraduce of without breaking the Thigh of the bhill & Therefore it aught to be bed doide, for of the pains cannot force down the Chile Double you can push up the Child & bringet. down by the feet a yould never whet with a base but what you can do this . . . . . . . . . . . . . . . . 2° To push up the Chilo & deliver it by the feet. This will be fully shown in breating of the turning of Chiloren in other pria: ternatural bases. I come now tothe 2 Class of Praternatural Sabours out When the Chile lies acrafo the Utions and firesents the boach the kelly. The Shoulders &. Authors have made this more bomplex than what it might for they thought that There must be farticular rules for every way that the Philo presente, but There are some general Pules by which the whole of the Positions can be believed. This flop of the Protesmatural Labours is more. Defecult than the former as all these hositions must be recinced into the Lobbling buses; also in the former blass if the Woman has strong pains the Chilo well be

forced down but in this Class the Stronger the poor are it is so much the worse for they force the Chilo more & more into a worse position; the plaps is more difficult than the former for in - Stead of the feet being at the mouth of the word they are at the bottom of it & other there is a Defeculty of getting hold of the feet so as to lum the Child. The Ancients knew nothing of lur. - ming the Child & bring it away by the feet had They changed it so as to make the Hear present a Repporates in order to turn the Chilo made the Woman Useemd a Scidder of forto turn her. = self Topsy Turvey uponit; but there are Disadvantages in making the head to present for it is more difficult to turn the Child so as to make the Head to present than the feet I when the head is made to present if the frains are trifling, the bhile cannot be de: - livered therefore it is far better to make the feet to present. It was a very long time before they fell upon any other method than to make the head present, a altho belsus was looked upon by some to have known a great deal of Mowefery & that he knew aliout

about the turning of Chiloren & Delivering them by the feet I but all that he knew was that the Child when it presented the feel may be Delivered in that way. . who wrote on Ruplures was the first who recommended the turning of Children & delivering them by the feet when they presented wrong, but yew followed him & was neglected at last. Ambroise Janey made a great Improvement in Mid: wifery by renewing it a he always used but after his time this practice was far from being general for his Successorexclaimed against it does ommended the Old method. and Morriceau was the first who made it gineral a ever since his time it has been used. In treating now of the Praturatural Bertins of the second & thend blagses all that remains is to show you the Method of Turning for the Delivering by the feet has been already shown . I shall now give Rules for Turning the Child The first thing to be regarded here is the placing the Woman & your self in a proper positition The hest positions for the woman to be en are either to bye on her Sede at the edge of the

Bed; acrofs the Bed lying on her back with he Wreach equal with the edge of the tred, or her od ting upon her knees; the lying on the Side of sitting upon the hours weather heat, for if who is lying on her Back you may often not nearly for enough up in the Womb as in this posite - on the fottom of the Mondo is farup; if on her side unless she is clope to the edge of the Hord, it is very inconvenient of you cannot reach far enough up, but of all the Pasition the setting on her honers is the best, for here the word falls lower; if you have not far to reach to get to her womb she may be ful on her back. The bist position for your is to be below the woman for in this ways you will reach further up, you should Therefore put a pellow on the floor a sit will your knees upon it. When the alloman & yourself are in proper positions, you then introduce your hand up to the womb a get I below the trody of the Chilo, sometimes la terally, but it is commonly best to put it below the body of the Chelo a go higher o' high foot it will do Lyou need not be very of

asseduous to get hold of both feel as one will do as well x of the Namb is not much contracted the Chill will turn round by pulling the foot Athen you have reduced it to a footling base & Deliver accordingly Sometimes after you get hold of the foot the Child will not turn rown by pulling it owing to the head getting as far down as the torim of the Pelvis a the Homb contracting; so when you full the goot you make no alteration on the head & you cannot turn the Child, the way you do it is you push up the hear of the Child with the hand that is introduced a then take hold of the food a it will then turn round. Sometimes when the Chile presents bath feet & the head low down in The Delvis & the womb contracted, by you pulling The get you bring both the Breach of Head into the passage at the same time & the bild cannot be Delivered in this way so you must first push up the head & then full down the feet. Sometimes when the feet are up & the head down in the Pelves I the womb much contracted when you push up the heat, you push up the whole Body & when you take you hand from it, the Child comes down in the very same position as it was before, in this Case it will be necessary to have two powers to act at the same time, one to pull down the feet & the other to push up the head so it would require one hand to full down the

314 The feet of the other to push up the head but as we cannot have both hands in the papage at the same lime we must fall whom another method I we must here use the Hoose. The mannerin which this is done is you Souble a Rebeon & carry up the doubles part a lettle & take hole of the doubled part & there youll make a noose, yould put this noose over three Jengers & a Murm you must keep your singers a thumb as closs gether as possible & shape them like a bone the Extremities of your fingers being the smalles end for if your fingers are at a Distance from on another it will be emborsoble for your to introduce it into the alterus, you put the noon over the first joint of your fingers for if it so pregher up it will be difficult to put it over the foat when you came to it a you how fast the extremities of the Rebbon with your other hand so as to heep the moose fast whon your Singers, for if this was not done, in the intro-Queing of it the noose would slip up upon your fingers & you could not get it into. duces; Then you antroduce the noose after The manner mentioned & when you lover a loot of the Chile with the points of your fings you take hole of it with a finger & Mismb I slip the noose upon the fast & make it tall by fulling the Extremeties of the Ribbon; as

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the Extremities of the Rebbon are without the. Os Externum & the webban will take up no room in the passage you introduce on hand into the o Esterus a push up the head of the Sheld at at the same time that you do this pull down the foot by mians of the Rebbon with the other hand a by this means you will turn the Child . There have been mamy Instruments Contrived to take hold of the fact but none of them are so good as the noose. for they are both more Deflicult to introduce. to as to hate hold of the food & they will head The Child more. When you have brought the fool without the Oo & ternum you then take of the moose I you have now reduced it to a footling base you pull from sedeto vide by the foot & when you have got it, out to the breach you can pull by the foot by on hand a introduce the fingers of your other hand to the Grown of the Child a full out the Percach & when you came to the Shoulders you full down the arms & to Deliver the read you put one hand whom the Bread of the Cheld & hold the neich believen your two finger of your other hand a pull from Though to below & thereby get out the head. Thave all along supposed that you could easily get hold of the good but sometimes it

is very Definite to get hold of the foot you may introduce you hand laterally a feel at the hot - Your of the Womb of the sides diget cannot ful a foot a cit this time they are lying up towards the Navel of the avoman & in order to reach them you must put the Homan upon her know dedirect your hand towards the Navel of the Woman: I had an Instance of this lately, on of the Gintlemen being called to a Moman to found the build presented a Shoulder of he there fore sit about to turn the Child but he could not find a foot I was sent for a when I was told he could not find a foot I feet the avo. mun on her kneed & Temmedeately got a food a I dierned the Chilo at once. agand. find one hand answer better than another for if the feet are lying in the lift side of the refereus the night hand is hist of you can not rouch them with your left hand and vice versa & one position is better than another. Therefore in every case where you find a Deficulty in getting hold of the foot try Different hands & Deferent positions Next to the foot we the Arm. When the Chilo is lying acrofs it sometimes presunt

the hand or Ann & when the arm presenter this way we are sure the food is not far of but when it presents whither or not shall we reduced? He need not care much whe. therme reduce it or not for an Arm takes up very little room in the passage a youran run your hand along the armait will often lead you be a foot which when you get hole of & pull the Child will go round & the lirm which presented will go out of the Passeyes When the Arm presents it will often make us thent that the Child is Dead by it hing considerably swelled & yet the Chile is alive This may happers from the Ulerus contracting Action, in this case you must first reduce The Arm & then take hold of the foot; Some when they see the Corn swelled then by that the Chilo is Dead & pull away the arm of thus de stray the Chilo; but never main a Cheloy possible altho you are sure that it is Dead for it serves no purpose as the Deliveryes not any easier on this account a Inevermit duth a base but one where the Delivery could be how tened by Dismembering the Child, the woman was long in Sahour before

I saw her the Child was Dead of it presented the Corm which was very considerably swel Led however I reduced the arm turned the Chelo & brought it away by the feet, but I believe I lould house been casser done of I had pulled away the Arm . - - 50 Whether the Cheld presents the lerm Shoulder back or tolly these General bules well an sever you endeurour to get hold of the food a pull it so as to make the Child come round if the head is down ait hinders the Chilo from lurning round you first push up the hierd a then pull the foot a will thereby turn round, but when you push up the head if the whole wody goes up then you fasten the Hoose to the foot a push upthe head & full down the foot at the same time which will make the Child turn round. 3 Class of Oralematural Labours is When the Child presents one or both arms a the feet were up at the bottom of the words of the heard at the mouth a as the Childhere is of an oblong shape the Ulerus well con: track in un oblong form which will make the Turning do Labour more defficult is What is the best method here whether ans we to reduce the Arms a thereby jul

put the Child in the Natural Position or turn

The Child & Deliver it by the feet. If the woman has not been long in Dubour the membranes tately broke a the pains strong neduce the arms or fonly one reduced so as to make The Natural position, this is Deficult to do when the membranes have been long broke for then the Utirus is strongly contracted upon the Child & Three foliend it always an= swer unliforn this Case, the first time In tried this on was a woman who had always large Children, when I came I found It fore: Sented both hunds the membranes had been lately broke, I reduced the arms & put it in The Natural position & the Labour pains Joon Delivered the Child, In the second the Child presented one Arm, a the woman was in the same setuction with the former I there. fore reduced the Arm & the Child was also Delivered by the Labour pains. This two women had good labour pains which has. tened the Delevery at may be objected against when the pains are triffling, but Thave done it when the pain's were very trifling); in this blass it is much easier to miduce the Arms & so frist the Child in the Natural position than to turn the Shils

and bring it by the feet; but then it will not answer in every Case for if the membranes. have been long broke & the waters entirely eva - water the atterns will be contracted in a long form & altho the arms are reduced the pains will not bring down the Child soin this Gase we must Turn the Chilo; youin: troduce your hand below the Child as high, as to get holo of a foot a pull it down & after you have brought it as low as you can got it you apply the noose upon the foot and push up the head of the Chilo a thereby you'll turn the Child. The only Observa: tion I shall make here is that inturning the Child in this Case youll offen he very much satigued a your strength much exhausted so that if you attempt to Deliver the Child immediately after it is turned .you will not have strength enough to dod AMe Child may stick some time in the passage & Mureby Die before you can get it aut, so after you have turned the Child it is best to kest yourself some time so as to recover your strength before you proceed to Deliver & the Child can take no harm by remaining that short

321 These different positions are rendered more difficult by it complicated with these se veral birumstances vist the Savel String presenting with the Child, the Naud String livisted about the Child, in a Hooding & when there are two on more Children. more Children. The Childs. When there is a great quantity of wateres weire water subdenly trushes out with such Jone as to carry the Cords down & presented long with the Child, you know by the pulsation of the Good whether the Child is alive or not for if no pulsation the Chilo is Dead; then bord may come down in any hospition of the Chile & The more Natural the Child presents the more deflicult it is, or when the head present it is more Deflicult than the arm for the Han the arm plotely the Courty of the Polois so it will deficult to put back & if not put back the will be on Dunger of Byeng by the Umbelical bord being, compressed I There is no pulsation in the Umbeli cal bord you make no alteration in the. manner of Delivery as the Child is Dead a the Condis not bulky & bring it away in

in the Common way. I there is a pulsation youmed be regulated by the Cornemstan -us of the woman, if the Gran has had file - dren before a had easy Deliveries you may alow the Child to come down in the common way but if the has had Defecult Labour ledore you must reduce it, if it is the won man's first Child as they are then com: monly long in Labour you must like: wise reduceit. agail meet with many Instances of the Navel Strong coming down with the Head & the Child alive but then the Child wo not long in the passage sometimes indeed this has been the care whin the Chilo has remained hours in the paloage of had once an Instance of this; When you want to reduce the street you cannot do it unless you first push up the Chile for the head will be so fast that you cannot get it up officewitses, of ter you have pushed with the head you put up the string, behind the head of the Child & this lamnat be done unless at first diffar advanced this cannot he done a you must allow, the Cheleto The Newel string sometimes comes with

the Breach & this like the head is a Bulky body To that the Good is in Danger of being compressed thereby of the Child being helled; In this case it was most always proper to reduce the Good a for this purpose you must introduce your hand into the Uterus, xit would be a fully when you reduce the Cord not to pulldown a legalso, for inone half of the Breach cases you are obliged to bring The Child away by the feet a you do not know but this base may require it, so when you -Preduce the ford you'll likewise bring down a foot: If any other part of the Child present. the same method is to be followed, for in these. bases you are commonly obliged to turn the Child a bring it by the feet, so when you in= troduce your hand to bring it by the feet you can first reduce the bord. Ath navel string presents along with the feet, you treat whe any other common foothing base as the String win little danger of being compref. is as the feet take who wery little Room !-2. When the Navel string is Twisted about the Nech of the Chelde. Is In proportion as it is more or less twisted There is more or less Danger of this is very often not known early a many times the

32A head is Delivered before this is known to be the base; Sometimes alho it is Twisted about the neck the bhild will come away in the Common way, but of it is three times tives fed about its nech it will make the ford so short that the Child cannot be Delivered. It is difficult to know this until the Child is very far advanced, you may sometimes know before the plad is Delivered, foref The Woman has now a Defecult Labourd used before to have Easy ones, of the Chilos head is of a moderate size of there co no der -proportion between it of the Pelves of the mother & of the Child Escances in the time of a pain but when it goes of the Cheld retracks again & when the Head of the Sheld is at the Os Externum & you think that eevery pain will deliver her yet to be in Labour for five or dex hours; if all these Lereum strumes occur you may be sure that the Navel string is twisted about the Nech of the Child! The reason why in this case the laheld advances up the time of a pain & when it is over the Child re: - tracts is, in the time of a pain the Wood is contracted of pushes down the Child & as the Womb descends the placenta who is attached to it must descend also whether

allows the Chelo to advance, but when the pain is over the Word returns to its native al place a by the placenta in this ways ascending the Chils retracts. Many Consequencies have been ascribed to the by Authors, they vay it occasions a more Tedious Labour; this wethout doubt it does; they say it occasions a separation of the Placenta from the atteres; but this it selsom ir never does: They say it produces a Rupture of the literus buy the pains foring down the Child dit cannot advance agnot having, a sufficient length of bord, Thave seen several bases of Ruftund Wombs but never one owing this Cause &I emagine that it very belom occasions it? They say it causes a Rufiture of the alonbelical bord. This it may sometimes do but selsom & when it breaks it is mean the -Placenta: They say it may strangulato The Child, but this it schoon does for the prefsure on the Child's neck is only great in the time of a pain by the alterils forcing down the Child & the cord not yeelding but when the pains are of the Child well retract & the bord will become wack, but by the Compression made by the Good on the Chilos

\$26 Noch by preventing the kilood from returning from the head the Chelo has become Apopleetic I may remain several minutes may a quarter of an hour motionless afteris del vered, in this case the sooner you cut the Rembelical Gord the better & as soon as pof subly you can empty somewhat the reports of the Morain, so when you have exit the Umbelical cord you can allow a spoon. full of blood to flow from the Chill, which will do it great Service. In what way are we to give afortance in this ruse! there are two mothods used? 1 To Turn the Child & bring it away by the feet. I To allow it to come away in the Satural way, 1 To turn the Child & bring it away by the jest. This is Defecutt to do. It is one of the word of the Praternatural Sabours as the head is at the mouth of the feet at the bottom of the word; busides as it is long before we can discover this to be the cause the head will be low down & the warms much contracted which will make the turning very Difficult Murefore it is tetter inst to here this grithod; indeed some Monus are leable to have their Children in a particular

particular posture or the Navel String, twisted about their necho, so if you are called early to a woman who has had how or four Children delivered with the Gords disted about their necks, you may sus: freet the same to happen in this case so you may turn the Chilo a allow the pains to fore it down. 2 To allow the Child to come away in the Natural way. Sir Frelding Bulldin order to prevent the Chels from retracting entroduced his finger up the Nagina & fuch: ed it on the fore head of the Chold; but then it is not popule that you can push for any time so as to prevent the Chels from retracting; he also advises unother methoo to introduce a pair of leisons to the Navel string a cut it; but this is defluit to do a more to than to introduce them to open the hoad of the Child a waltended with more Danger, but allowing there was no danger nor Defeculty attending it, you are not certain how long it may be before you Deliver the Woman & efit is any time the Shild will toler to Death This method cannot be adviseable. The only way is to have patience untilly

328 the head is born after which yourmay try to Un: · livist' the bord, or of you cannot do this you may take the Sufoard of end the bord, It is not attended with the Danger of Defeculties attends ing it before for there is no defreulty in cut. ing it now as the cord wenthout the Ook - ternum & so likewise there we no Danger of hurling the Woman; there is no Danger of the bild because an expertant can comprep the bord with finger I thumb a you full away The Child immediately & tye the Navel Strong at the common place of altho the Child whould lose a spoonfull or two of klood so much the better. 3 Hoodings. A Thooding may hap pen in all the Different positions of the Child that I have muntioned here & when they are violent will make it necessary to Deliver the Child, a here when the Child presents its hind it presents in the most un. favourable meinner for the presenting the feet is the best manner, & the further it de : water from the feet the more Defecult it is. The method you us to is you introduce your hand up the vagina kyou may often find a maps of Coagulatio Holood, which

you take away a now you have an opportune.

ty of examining the mouth of the womb & if the flood ing has been great it is always somewhat ofrened then with your fingers you Delate the mouth of the word slowly for if you do it suddenly it will as suddenly contract, then you'll feel the membranes of the head of the Child, for you can always feel the part of the Child that prevents thro the membranes, you now endeavour to break the membranes & Sometimes this is difficult to do, you bry to dort with your finger of themb, but it is sometimes necessary here to try Deferent Directions in ander to fall osponthe weak: est part a I have seen Gentlemen fact in doing this & when I came by try ing defferent Directions I have done it but once? as soon as you have broke the membranes you push up your hand into the atterns as quich as passible not to allow any of The water to excape for if it should escape The atteres would contract of thereby him. der the terring of the Child & by the wrist The mouth of the word will be exactly stopt so that none of the water can escape Then you take hold of a fact & by pulling

3.30 the Child will lurn round with the greatest ease a when turned you swithdraw your hand as you have now no more alse for the waters. but only to flow out to bebreade the passage drow when you have turned the Chilo you need not been a hurny to Deliver the Child because it is in such a position that you can Deliver it when you please without the assistance of Labour pains dafter the build is turned more women are hurt by it being suddenly than gradually de Severed & like the Paracentesis of the abou men where the Water is drawn of succeedy if there is no compression made the person will faint doften will never come out of It, so in this if the Delivery is done sosucceedly with the Child delivered immedi: -asely after the waters are evacuated, the person may faint & sprove mortal; but of when after the waters are evacuated you wait some time until the alteres is contracted, you have not this Danger. When the waters are evacuated the womb with contract & Mereby the Flooding wil be dessened & therefore you may wait without there being any Danger from I the Woman has Labour pains along with the flooding I have sold it is not in

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least Dangerous, Sometimes Momin house pains along with the flooding which are not the true pains a kney be known as theyare triffling & not so regular as the True pains I are owing to blothe Blood in the Uterus Then the Flooding waccompanied with the True pains es Joan as I find the waters collected I bereat the membranes & allow the water to escape which causes a contraction of the work A stops the flooding then I al. low the Labour pains to force down the Child. Mir was surprised to observe that those Women who have floodings a= long with the Labour pains have a lefs homorrhage than those about the south or Swenth month; buil this is no matter Far wonder at all, for when the waters are evacuated the atteres contracts chose on the Enils & when this is the case the respelsed The atterns are also contracted. in all women who have lost a great quan-- lely of Blood by the flooding, it is necess. - sary that you compress their Abdomin wells a Bundage & give them some strong Cordials to prevent them from fainling

which may prove mortal & if possible sup. : part Mum the first hours after Belivery for very sew Die of a flooding provided they live ity hours after Delivery. 4 Twins or More Children There are sametimes 9. 3, 4 d 5 Children in the womb at the same time, yould find accounts in different buthors of the word containing more, but they are not well wouched, but we have many well arough examples of 5 at a time, in Arrobothy you'll see a fuse of a Momen being delivered of 25 Children at 5 Pourtes & Monfr Peus mentions a woman who was belivered in the Hotel de Dieu of 5 Children at a hirth . In the Memoirs of the academy of Sciences you have as Case of a Momen being Delivered of gat a time; you may read of the lays tian Mamen muscarrying from 15 to 10 Children at a time There was a men presented before the Thing of Denmark who had of s Children they two wives he had 6 ternes 6 Children, 5 times 5. 2 13 times & Childrenat and Burth Me shall now gwe the distinguishing marks of chuins and

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One symptom which has been by some thought to Distinguish a woman having two or mores theleven is by being more Bully, but this is not a certain mark for a woman having only one Child which is large & the waters in great quantity the may appear as bulky as a woman with two or more Children. Another mark is a Swtension on each side the Aldomen & an Depression in the meddle heat this letreurese is not a sertain mark of Twins, for the Chilleren may be so closs to one another that the bely will be as much Distinded at the middle as at the sides. Another mark why the motion of the Chilo, when there are two or more Children The motions are more frequent a more con: Jused. When there are two or more children they never go to the full time of the greater the number of Children May go the further from the full time. The Children are smallet & In waters in less greantity; so if a woman is very Bully & is not come to the full lime when she takes her Labour frains you may suspice that she has two or more Children. These Symptoms are uncer-Town when a Moman has them you have a suspecion but then you are not certain.

but then you cannot be certain until one Child is Delivered. lefter a woman is Delivere I you put your hand on her abdomen if she has no more Chelsren you'll find a Tumour about the begone to of a Childs head which is the Uterus contractes to that but, but if The Melly is slill a good deal distinged then you may be sure there are more Chilo: ron. I after the first brills is delivered there is a continuance of the pains, you may suspect there is another Chilo, but this is not a sertain mark, for sometimes they have small pains after Belivery when There are no more in the Uterus, & when There are more Children the Uterus there ro not a continuance of the Labour pains dwell have no pains sometimes for 24 hours after the Delivery of the first (hill). The Defeculty in extracting the Placenta. When there are twins you cannot extraol the placenta after the first Childres born I'm second one in the Uterus, so after you have tried to pull it away by the bordunsuccepfully (which may happen where there is only one (shild) & has wait. - Ed perhaps on hour & is no better. Then you introduce your hand up the waging

to full away the Placenta & if there are any more Children you will feel the membranes distinctly, sometimes when you entroduce. your hand into the Dagina you will feel the membranes. These are the marks for knowing when there are two or more Guldren. I shall now spieck of The method of Delivering Twens All the Deferent postures may be required to the rules I have abready given. The posis tions of Twins may be reduced to the fol-1st When they both present the Itend. In this base you'd allow the Labour pains to bring them down as in the Common Natio. rat way xafter the first is born you pro: mote the Delivery of the second by breaking the membranes . 2 When the one presents the head & the other the Gest, either the first presenting the head I the second the feet or the first presenting, The feet & the second the Head whenthe first presents the heat you allow it to come down in the common matural way, & by the marks mintioned you feel another & you find that it presents the feet, you break

336 break the membranes to forward the Delivery Lyon allow the Labour pains to forcest down which they will easily do as the Chils will be small origno pains you can Deliverit. 3. When the first presents the Head & the other the Breach. The first is delivered in Me Statural way: Thave said before that in the one half of the Breach cases you are obliged to bring down the feet & deliver by them, but when Twens come double you Should allow the Labour pains to force them down, which they will always do as the Twins are smaller than other Children; indeed there are a few exceptions to his as when the Cheld is large & in Twens the one is larger than the other a you will sometimes be obliged to bring down a fost but this is very soldom. In When the first is lying across a the other presents the head. The first must be turned & brought away but the feet, & in the turning of the first you are in clarger of breaking the membranes of the second I thereby make a Confusion of Parts, for if you take hold of a foot of each bhill

337 Chile instead of both feet of one bhile you will bring both Children in the passage at the same time of they cannot be Beliver is in that way . but I thenk all this may be easily prevented, a Think that there w no Dunger of breaking the membranes of the fecond by turning the first as the membranes are very strong, but altho They should be broke a that there is a bonfusion of the parts of the Children a you do not know afoot of the Child that presents from a foot of the other, yet you can ear vily discover a foot from a hand so you can content yourself by taking hold of one foot only a by pulling it you bring that Chilo only in the passage & you deliver it in the way before mentioned for the feet. The second present the head so you allow the Labour pains to force it down as in a common natural pase. It very often happens that after The Delivery of the first there is a con-- stant pressing down of the altires by which the mombranes are greatly dis tended so that you cannot learn the position when it is in a wrong position to endeavour to save the Haters in order to make it lurn with greating ease . After the Delivery of the first bhild the woman has sometimes no appearance of Labour pains to Deliver the second & sometimes may remains so for 48 hours & Than had cases of them being 2 1 hours after the first Child was born a there being no Labourpains there you should put the Momanin the pro-fur posture & break the membranes of let out the water for when the mouth of the \_ womb is Dilated which was done by the foroner Child) we may freely break the membranes & let the water escape which will tering, on the Sabour pains & procure the Delivery · you may see in Authours bases Where there are longer Distances of lime between the Children Man 48 hours, sometimes a month & sometimes two months his thes is owing to the Woman having a Double set of parts or hewing two Wombs which some: times happen, & if the second while is not born within the 48 hour after the gird, it is always owing to this Caude.

340 The method of Extracting the Placenta. The same Rules land down for the extraction the placenta when there is one bills well take place when there are Twens, you take hold of the two Umbelical bords & pullin the manner abefore Berecho & altho one of them should break you can full by the other & if this method fails you can intre. - duce your hand into the Ulivers & bring away the Placenta as before Derected. Sametimes there are more than two, some -times of or 4. In cases of three Children they are generally smaller than Twinst are Delivered in the same manner of ego have only one rule more to Repeat. When a Woman has three Children she does not go so near the full time as a Woman with Twins, so when you seed Maman who is very buth & seesed with her labour frains about three weeks from her full time you may be almost certain that she has three-Children. Sometimes when there are three Children the Womb is so much Delated as to lose the power of Contral tion & Mereby has no Labour pains I so the Child can make no progress; this

es a True Franceps base as the Labour pains have failed the woman, the anouth of the word Delated & the Child advances, there-Jone you much use the forceps. That a base of this some time ago in the Infer: mary! The pains had left the Woman & Fused the forceps after this Child was Delivered ofound there was another das the atterns could now contract & so bring on Labour pains I left this Shill to the Gentlemen to be Delivered in The common natural way, which accord: ingly was done & when it was Deliver. et I found that there was another bull das the woman was become very or weak & the pains trifling I delivered her with the Forceps & the mother soon recovered & Mr. Children all Lived; the last thild I might have turned & brought by the feet, but in this case it was caseer to Use the forceps as the Chilo was small but of the Chilo had been large & not far enevanced it would have been proper to have Turned the thild a brought it by the feet. So when there are 3 Children it is a reputation of there are 3 Children it is a reputation the

The Prules law down before. Sometimes there are Is Chiloren, Muyare delivered in the same way as three as it is only a repetition more of a Rule with this difference only that her there is no occasion for turning the bhild & bringing it away by the feet when the head presents for as the head to amade you can take hold of it & bring it away, for the Defeculty of bringing down the head in the former bases was owing to the largeness & supery ness of The Extraction of the Pla: Mu Kead. -centa when there are 3 or 4 Children is the same with there being only one you take hold of the 3 or 4 almbelica fords de efit does not come away ea. - sily in this way you can introduce your hand & extract it.

The management a Deseases of Women a Children after Delivery. Midwefery is properly divided into 3 parts I The Anatomy of the Parts & the Deseases of them & those peculier to persons unim: fregnated. The method of afsisting Women in Delivery, in the Natural, Laborious & Pratimatural Births. In orianagement Deseases of Wo: men after Delivery dalso the Care & De: seases of Children. This is not the least usefull frait of mis. : wifery for a person practising it may not meet with about three Difficult Booths whereas the will meet with a variety of Deseases after theor Delivery. This part may be dereided into 3 I The Treatment of Women after dele: very when nothing remarkable happens. 2 The Diseases of Women after Belivery 3 The management & Diseases of Children after Delivery

I The Irealment, of Women after Delivery when nothing remarkable happing This is more simple than what it was a huridared quart ago, for Ambroise Parcy I his Credice for for a month after his Moman was Delivered made some Opple: -cation every Day as applying sheeps -Shins, Irait bloths. Plaisters de to the Abcomen & parts of Generation: but this is laid aside now & there is a more simple me thod used. The first thing to be don to unship the recoman; the warmen in this Country have a particular Drefs, which must be fre your by changed a remove the foul hed Linnens. As common after Delivery to give some Cordial, but this is very different indeferent Countries, in some they give Bily medicines as Sperma Gett, Bel Ke, as Muy think that all the pairle are overstret -ched & that these medicines would supple them & restore them to their former Jones. Some que Carminatives, to remove the Ofter pains as they look upon them to be that species of bolic owing to flater. lency; Abut a Gordial is very necessary especially if Mi Moman had been long in

Sabour & may give Warley Gennamon -Water, Water Gruel & Connamon Wateror weine amondstit dep. The next then g is the proper degree of heat necessary for the woman to be hept in . Thysicians have been mestaken in think. ing that it was necessary that they should heep warm & sweat profusely after Delive. my, as they have a Disposition to sweat at this time they think that it is air opina: han of nature of that of will be of nervice to them; indeed most Women have an inch: nation to sweat at this time, but shill it does not appear clear that it is an effort of Nature to free herself of something noxlous soas to be encouraged, for thes ben deney to sweat is brought on by several bereumstances as from the preceeding do: bour, from the additional Drefs, I from the watery Drinks & from the Evacuation of Polood . Me know anotent Labour being a violent Exercise will enem ase Miles. -culation will produce sweating; the abdi: -tronal drefs as a Pellicoat short Gownte will enchouse this Disposition, the evawill entricise mis which relaxes the sys-wation of blood which relaxes the sys-tim & the warm watery food encourages

the Sweating . In this way Sweating has been thought necessary to women was Chilo Hoed, as they generally have a tendency to it by this bercumstances. But Sweat: ing is not only unnecessary but even hunt full to Lying in women & those women who sweat much are hable to more uccedents that Those who sweat little I we really find no: Thing here that requires sweating unlip on the Boy when there great great sorbed, Then a sweat may at this time do service by carrying it of, but still this is better effected by other Evacuations as stool as giving at this time a Gentles Doge of Physic. Nout we find in fact that Those who recover hist are those who are hept Coolest, & I first found out this by The Ward in the Infermary where there is a free bereulation of the bool air, it might have been thought by some that it wasow. ing to the Women who were there being onor Robert than other Momen, but this wasnot the Case for they recovered sooner than the Robust umany the Common hind of fres: The in the Town, when Sound this to be the base thries the same method with people

in the Town, but this could not be done alto. gether for the Ward is large & there is only one. fire at the end which is apposite to the door by which there is a circulation of cool bur thro it & the Cooms in the Town are small & con: fined & having a fire in them become a great deal warmer, but I found that by heeping Them Cooler than usual they recovered aswell in three weeks as they did formerly in five & when they went out they were not so leable to butch bold & I shall show your afterwards that Momen who are heft owest: ing, are more liable to feverish fits or Ephe : mera commonly called Heeds. Food. The Spare Det scommonlyre. commended to them & are generally not allow. ed any animal food till the gor 10 Day after Delivery, but Ithent theo is a mustake for there should not be such a sudden change of Diet, for by pulting a woman who libedhigh on this Low Diet all of a sudden may do her a great deal of harm, besides there is nothing here to Indicate this Low Diet unless It be the much fever a this this does not last above a Day; Likewise we do not see) any such thing in the Brute Coreation for at this time theyleve on the same kind of food

as usual, unless it be Mose animals who are immediately under our Gare, by the notion of some people seceive some ainusual him of food! I think the most proper Det is They should have the same to reakfast as usual vist Tead heread, some Animal good to Dinner a beef Jea or Chickenbroth to drink after it; Tea again in the after. noon: The Supper should be light or some - what Cordial as Bread Berry with win Necessary Evacuations. Generally after Delivery the Intestines are weakned & cere thereby Costive, here Glysters arevery for - per & the Simpler they so much the toetter; Domen on the 4 or to Day have sometimes a Dearrhoa from the milk going buck & running of by the Intestines, but if Glys: ters dre given before this, it is prevent = ed & they should be continued for the first Sourteen Days if they are bostine. The Doman should be heft quiet & free from passions of the Mind for the nerves of Women are very Irritable a bercumstan: as which would not affect them at any othertime will affect them now; have said that Pregnant Women are likewise more Invitable

Than at any other time & passions of the mind will make them muscarry, so the same palse: one will affect Lying-in Women & produce Deseases. That a case not long ago of a young Lady who had a very easy Labour & was some hours very easy; she had a bousin who about four months before had deed of an In: flammation of her womb & she had ever since thought that she avould Die of it also, when the lefter pains came on the told me she had an Inflammation of her Womb, I endeavour. id to perswade her to the contrary of toloher The true bouse of the pains, I called upon her in the evening being 8 or 10 hours after Delivery & was tols that she was afterpoor I did not chuse to awake her. I called next morning & Found she was Delirious & she Deed that Day. Thave had many such Instances, a these show the necessity of keep-Ing them as quiet as possible. In Holland they are very bareful as to this for when a. woman is Lying in, a broad is put out at the Window of when this is the case no Officer of Justice or any such person can enter the house so as to give the person any Desturbance. The next thing that comes under our notice is

The time the woman should be shifted .\_ It is common not to shift them for gor 10 days after Delivery for fear they should catch (ot but this is very verong for in that degree of heat in which they are are hept the Blood is is evacuated altho it seemed hard yet will become pettrid & putrid steams well arise from it I as they lye with a Pellicoat for col: · lecting it, this should be shifted soon after De. -levery about 12 or 24 hours after it; about the Yourth or feth Day they should be shifted totally, the toid Joien Shift to dat the same time that you do this you can take themout of thed; but this last depends upon several beruinstances as the stringth de of the Moman; they are generally taken up in the Evening, but as they are com--monly a little feverish for some Days after-Delivery & are apt to faint the first time -They are taken up, so it will be better to take them up at Mid-day for the first time of they are generally takin up two Days after this I shifted again & then set up a little wery Day. The nixt thing to be enquired into is the proper time to go out. This waries according to the constitution of the avomax Ox shifted every Day afterwards

351 but generally three weeks is soon enough & they should rise great motion before this time for unlifo the person is strong, it will bring back the Lochea & this will happen untill such time as they after which will be in three or four Weeks after Delivery & untill that time they should not gorout. In those women who do not give such it is common to give a Dose or tiles of Physic eis -Jenna & manna before they go out which is very proper. This finishes the account of the Incertment of Women after Delivery when nothing extraordinary happens. I proceed to 2 The Diseases of Women after Delivery. I devided the Diseases of Pregnant Women into three different classes de they happen at the Different periods of Prognancy, so Charite Me Diseases of Women after Deliarray may betreviese the divided into three as they happen at the deferent Periods. In Those happening after the Delivery to the 2 Those between the there of the sixth Days third Duy 3 Those between the South & the month Days

If a Moman recovers well for mene Days The generally gets free of all the Deseases li: able to lying in Momen. The ninth Dayes thought by the Women to be a fritical Day a altho they should be watering about on the 8th Day they will heef their Hedonthe month for fear any accident should befall them, as they think if they are indesposed on that day they will be long in Accovering; but the menthis no bretical Day & of there are any it is the 3, A or to when the Lochia Dory up & the milh comes into the Breasts. 1 Those from Delivery to the third Days These are Violent Fountings, Spasons in the Region of the Usteries &: Ma Atter fains Her Haintings are not uncommon the ind. -ment the woman is brought to bed especes: -only of the Child is bulky a the woman sind. -denly Delivered which produces faintings in the same manner as the operation of the -Paracentesis of the abdomin dois it; lette : -wise fainting may be produced by the Woman loosing a generalis quantity of polood than us: -wal! heat if the Pulse can be felt distinctly altho it is smaller & frequenter than usual.

if they do not remain long in the fit altho they have fainted quite away, if there are allinded. with no Chillings or Coloness, if all orsone of these happen they are not Dangerous & are Sured by Cordials & making a pressure onthe Abdomen with a Towel or Naphin being tied form about their Bellies; Limewisse Spiretuous Medicines applied to the Temples are of dervice. But there is a hind of faint ing fits which are very mortal, wir Alho they never faint quite away but a great Disposition towards it continues, you canscarcely feel the pulse from the beginning, the Body cooler than the Atmosphere & a Chillinepa Goloness. I say faintings attended? with these Circumstances are commonly mortal a they generally Dies 2 or 3 hours after Delivery; a of the person dies of fount. ings it is always soon after Delivery & always within the sixth hour after delivery so that altho a person has westent fainling fits & live more than Sex hours after Dele: very you may form a favourable prograsis. I have had two or three Instances of Thersons dying of faintings but I never had an Opportunity of desceting any of them to

354 Juno the Course of these faintings, it does not seem to be owing to the Hamorrhage from the Nagine, for in these Cases I sale it was no greater than Common, but it may be owing to an Internal Hamorrhage, & this is more probable as the persons who Dee of the have commonly been valetusinary for some time, are weak & have had a Fedious Labor & the Symptoms that appear attend Internal homorrhages as the smalness of the Pulse from the beginning a can scarcely be felt, the Colones & defectly of Breathing owing to the Dificult Oransmelown of to lood thro the Sungs a altho the great Colones which they have bould require more bloathing yet they cannot bear it as the Defeculty of tomas enquil be encreased. Hit is possible to as almy good here by medicines, it must be by strong bordials atto remove the boldness. Bottles of Warm water applied to the feet -Spasms in the Region of the alterus or in the Thorax. I had a base of a Ludy? who in the time of her Labour, was sevred suddenly with a violent bough & Deflectly of Breathing she could swallow nothings & repectorated a great quantity of frolly

stuff. I got her Delivered but it remained several hours after this dit went offers suddenly as it came on. Thamsen the Oregion of the atteres seldom happen till they are 3 hours Delivered & commonly about 24 hours; it is distinguish. es from the After pains by the pain being constant whereas in the after Pains come & go; it is distinguished from an Inflammation of the altered by there not being that hardness of the Pulse & surroups which is always fore: sent in the last; It is necessary to make, the Distinction as their bures are deferent the Spasm is cured by large Doses of Opium which does harm in Inflammations. That a lease of a woman who ten or twelve hours after Delivery was seved with a recolent consteint painin the abdomen, the person who attended her took it for an Inflammation of the Attornes, he blooded her a as it did -, not relieve her of the Blood was Buffy (which commonly is the case with every woman after Delivery) the was blooded again & without welief & by the Ewa cua: Tuons spewas thrown ento Hysterical fits when I saw herselwas obliged to give her strong Cordials & large Deves of Landanum. To you see here that it is dangerous to

356 take the one for the other. For the Spasons Opium is the only remedy in a proper Bose a frequent -ly repeated as a Doselevery 12 hours of the first close does no service but rather encreas. es the pain, you may be almost certain there wan Inflamonation you must then stop the Opium & treat thin another Method; Inthe Case of Spasmo the application of Camphorto the absomen is also of Service. Atter-pains, These often happen & may be distinguished from the True After pains as they are not so frequent & regular as they are. This may be owing to various bauses as blotted Blood in the atterus, pieces of the placenta remaining in the Etteries or any thing that fore--vents the Contraction of the atterus, & rareful Aur in the intestines; we find that they are more frequent & severe in those who have many Children Man Mose in their first Child for in the first the alteres has been often delated & Merely will contract slower but in the last The Ulirus by being never Delated before with contract sooner. If the pains are moderate nothing is requires & La Molle says that they are of service; of the Cause of Atterpains is the slow contraction of the atteries, nothings can be done but to have patience, which the brother Blood is the Cause of this, some have ecommended

recommended the introducing the hand into the Ute. rus to take it away, this girles pain to the woman besides it will not answer the purpose, for the blood will soon gather & coaquelate again; some again have recommended the injecting warm water into the atterns to wash away the boayulated blood, but this is very troublesome to do & besides it does not remove the bause, for altho you should wash away the blotte's blood, it will soon gather again. Many Medicines have been recommended for These pains as City substances, is draughto made of Sperma beti or Bil of Sweet almonds &p. When The pains are mile any such medicine may seem to be of service, as the pains would go of of them. selves in a short time a any medicine that is gir wer a little before they go off will receive praise. but Opium is the best mediene & of you can by I. remove the pain for 48 hours, they will never return as at the time the Sochice intermit, you should give it in large Doses & repeated every 12 or 2 & hours as the symptoms are violent. Small pieces of the Placenta left in the womb. When owing to this Course the pains are selsom so severe as in the former base, & this is not dan. gerous & requires no particular Treatment for The pieces come away with the flow of the Lochia. another Cause is Rarified Gur in the Intestines. Those Momen who were tostere in pregnancy when they are Delivered the air in the Intestines becomes

358 becomes rarified a there is a motion in the Belly as of there was unother Child & you cannot be certain untill you introduce your hand into the Etterus, in - died by putting your hand on the also omen you will find the atterns Contracted then you are sure there are no more Cheloren. Apafalisa Injections give relief here as 311 of aparation fut in a Common Cyster. Sometimes it is very deficult to remove the bostiveness as it has preval ed for a long time a I have seent 18 hours after Merth before I could remove it. There are a great many Nostrums for the after -pains & have come into reputation by being applied when they were going of a not by their possessing any Wirtue Immoderate flux of the Dochia Every Woman has the Discharge of Me Lochio after the separation of the placenta from the Utient & Mis Descharge well continue 2, 3, 4. 5 and Sometimes of Days, The stronger The woman is The discharge will continue a shorter time as the vefsels of the alterns will contract quicker & The weather & more Delicate the womanis, it well continue longer. I we find this to be the base with all Hamorrhages as in amputating a Simb, if the person is weak & Selicate & after The Surgion how taken up the most remark. able befoils. The small refords will bleed & you are

359 are obliged to apply some styptic to them; but if The Person is strong & healthy, after the most ne. markable vefolls are taken up there will be no Hamorrhage at all. You perseive there is no Thatis time for the Continuance of the Descharge It is not easy to ascertain the quantity that is des: charged nor is it matterial, for in 20 Homen the quantity wo not the same in leve of them best different from one another. De Haen endeavoures to ascer: tain the quantity by washing the bloths in a cer. tain quantity of water & then tried how much Blood, that quantity of water would take to give it the same appearance, but this is unnacifsarys for the quantity is different in Different Women't we are not regulated by the quantity descharged but by the Symptoms which attend it. When this Descharge win toogreat quantity it we called an Immoderate flux of the Dochica or Flooding. All those Women who are naturally of a lox habit of Mody, whose Wlood is then I watery dofa -Scorbute habit are liable to this Desease. Mut the Immescate Causes of this Desease are long & Federaus Labours & especially long labours in those who have had bhildren before - the too free use of Himulating, midicines, Papeons of the mino, too great force being used in extracting the Placental, any thing that prevents the contrae. tion of the Ulterus, pieces of the Placenta -

atteres & here the Hamonrhage well not seem great as little will men by the Wagines but into the Cauty of the Abromen they the Ruptuned part. This Disease well atheresis hap - pen without you being able to a seriele any Cause, as any thing that prevents the Uterus from Contracting occasions this Disease. When now Delivered the Danger is according to the veolence of it but if the woman sur. - rever ory hours after Delivery, they are ne: - ner Destroyed by the Hamorrhage a I have sun Warnen have svery veolent floodings. for two, three, four a even eight Days a some -times to the length of fainting, yet they never Died; so this is a good deal we have lear: : ned in the Prognosis, that we may pro-- nounce then not mortal of they survey six hours after Delivery altho violent. -I never saw one have such a recolent glood. ing as a Homan in the Infirmary, it continued for 8 or 10 Days very violents Thought that she would have Died & been an Exception to the Que I laid down however she recovered. What I mean by these hamor: : whales are not mortal of the person lives Six hours after Delivery altho weolint, is

that it never proves Immediate Death, but it may bring an somewiolint Chronic Diseases as Drapsies de Which may kill them. The only remedy here is Opium; a efabout three hours after you have given a Dose of Lauda: num, the flooringis no better, you may still expect success by giving another Dose; likewise Strong borosal Medicines should be given, one at first sight would be afraid to give them as they encrease the Cerculation, but at thistime they would sink under it if not supported by bordials & as their Stomachs cannot bear much at this time without throwing up, it will be needsary to give them in as little bulk & Mereby strong as posible so Spirits which are improper in other bases are very proper here, Likewise you should introduce your hand into the atteres in order to know if there are any thing there which prevents its Contraction, perhaps there may be two bhild having separate, Placenta & only one Delivered, you know of there is a Chilo remaining in the Wamb by fulling your hand on the Helly of the avoman, if the alte. mus is contracted to the siese of a Chilos head you are sure there are no more Chiloren, but efit es still much delated you have a suspicion of

362 Yor you knowing more certainly you must intro: · duce your hand into the Uterus. The Uterus sometimes does not contract so gruch = ly as it ought & thereby the mouths of the aref : selvare more fatent, a very good remedy here it to throw up some bold Lequor into the Ulivers so as to make the Blood coagulate in The mouths of the reefsels & thereby stop them, Lit is needless to use astringents as they pro: : bubly can never reach the mouths of the wel = sels by the bolove which is in the atteres & Thereby can have no efect ow such here, I so you can throw up some venegar awater & the most ready instrument for doing the is the Mag & Pife & you must continue the Infecting it for some time until the Hamorrhage abates for the Blood in the Utterus will hender the cold--nels of the Leguor having any effect for sometime, d if the does not succes no listringent application whatever can succeed. Gold applications have been recommended to be made to the kack dparts of Generation which act in a less digne Man the former . In this Disease astringints have been recommended as the Pulo stypticky buit I never trust to any of them of the most effectual medicine so Opium in a propordor;

In the Homan who had the violent flooding in the Informary I first tried her with Opium which did her no servere, then I tried the Pulv. Supplie a-Gold which also did ther no good then I went back to the Opium & gave it her in large Doses about 6 grains in the 214 hours which had the effect. When the Discharge is much abouted but not entirely gone then you may give some astringent medicine to stop it us now Mure is no Danger. Tome have Recommended Segatures & buffring Rafses heat I have mintioned that they beres of no Use as they can only retain a small quen: tely of holood & yall the kolood was cracuated except the quantity retained by them the pate: ent would Die. I Those Deseaves which happen from the These proceed from the Secretion of the milhin sometimes enters the blood of goes of by the other Secretions which alway gives some Uneasinels to the Woman. Desorders of the Breast. Always on the 3 or 4 Day some milh comes into the Breast a about this home the flooding is almost gone. The toreast differs from eveay Secretary organ in this that any other\_ veretion when once begun continues there

364 defe as the Seminal Organs in Men, when once they begin they continues for a long time I of they should give over they never beflerwant secrete the fluid but the Breast secretes the mulh at certain periods only & depending on bereumstances, will continue for a little time & when it stops can be again renewed. Some have endeavoured to account for the mulh coming into the Breasts afterdelivery by the Anastamoses of the Ejugastrie with the Mammary wessels, as when the melting secreted in the Breast the Sochia are almost staft, a say that the blood which was for merly carries to the atterns is now correct to the Bread by the Epigastrie; but this cat not account for it as the apregastrice artery has only a small connection with the man many dendeed this theory is hable to un-: surmountable Deficulties. But we know There is a remarkable Connection between The Breast & alteres, they both come to feet. fection at puberty, at this time the menses appear & the Breasts swell & as soon as the menses appear they are capable of being im: foregrated den consequence to hewer milk in their Breasto, we find also when the men: ses are obstructed they have often much in their Breasts, especially when obstructed

365 from pregnancy, as when they are obstructed from any other cause the tody becomes Deveased & Debititated, but in all becent obstrue. tions from whatever bause there is commonly melhen the Breasts; Sometimes when the menses are obstructed toland has come from the Nipples & when the mich has been obstruct ted it has yould from the Uterus. So you perceive the connections between these two parts are very great. Likewise on the 3 or 4 Days after Delivery when no bolood goes off by the lite. rus. Milk goes to the Breast. Ishall give a small account of the Bread. Agreat number of small Glands enter into the Emposition of the Breast & when each of these glands swell to B or A times their commander as they do after Delivery, the Braists become much larger, so this accounts for the enercase of the preasts; from each of these small Glands a small wefsels wrises which form with one another & form a larger wefsel which goes to the nepple & of these last reguls that terminate in the Nepple there are from 12- to 18 innumber In other animals all these small wefsels termi: nate en one large respel - hence are liste : able to obstructions there their Women . -The Poreast wome of those parts that anato mists are defeculted about & its structure

366 is not well known. Writ we know that an Artery terminates in every Gland which reparates the Chyle or melhy part from the blood, which is con-: veged in the manner mentioned before by the small vefsels to the Nipple, & in every Gland her is a New which carries back the tolood after the milh is secreted from it. That there is a com = nection between the mulhy vefsels a arteries appears plain, for if you inject the arteries of the Breast with & you will fill the milhy deep: = sels & vice versa, & sometimes yould find when Women have little milk & the Child applied that I will bring away Mlood; & after the mulh is a = cretes in the Gland it is carried by the multy refsels to the nipple, there are a number of the melhy vefoils about 14 or 16, & when they come to the nepple they are contracted & not in a straight line & these bereumstances are wising ordained for of this was not the base the south would run out, so that the Chilo could not go a sufficient quantity when it required it No find that when the Child takes hold of the nepple that it stretches it out & brings the smilhys repole in a straight Line a thereby the mill runsout more easily. When the Woman is to give such to her (he) she has selsom any pain from the melh &

the sooner she applies the Child to the Breast the Wetter v: e: as boon as the Chilo makes any signs that it wanted the torecast & melt to be init Then the sooner you apply the Chilo to the Breast to much the Better. If the woman is not to guve her while such we muist endeavour to prevent the Secretion There are avariety of medicines used for stopping The Secretion, but no medicine kan brungon this Suretion das few can stop it when beguen, the apple: cations that have been made for this purpose are St. Vin. Camph. Vinegar. Spirets, these make the Then stiff & thereby cannot stretch much & not such a great quantity can be contained in the Breath but these fut the woman to more pain on that account; When we want to stop any of the other Secreti: ons we go on unother method, for example if we "ant to stop the Secretion of Wrine we order them to Donnts little, by which it is greatly Deminished to when we want to diminish the Secretion of milh we must keep them on a spare Diet. eneled is not great, there is nothing to be done & get pains her you can relax the shin with some Softning bint ment as Comatum which will make it admit of a greater Distention; the much after being bureled to haven ento the maps of Blood alther it goes off by the other Secretions commonly by shool allney have often a Dearthou

368 at this time, sometimes it goes of by arine of the it deposites a great quantity of a multy subst. ance, sometimes it is depositio in the members: -na bellulosa & produces Odematous Swellings Sometimes it is Bepasited in the Caveties of the Thorax & aledamin & produces resolint Desease In order to obviate these Diseases you must enacavaur to carry the milk off by the conte times by giving gentle Purgatives & to use Suction; this last is of a hinds vier Weta Dry the Wet, co when a sheld is applied the Done is when Glasses are applied. In wet is the thet for the moisture of the Chilos mouth washes away any thing that may obstruct the mithy refressionablet es somitimes the base for thereare small Glands of the nipple which your out a Liquor to Lubricate the parts & a downy substance grows there which being mixed together will form a paste of plaster up the methy vefices. which when a Child is aplied is washed away, & when you know that a wo: man is not to suche her Child you'll arrented to wash her nipples two or three Days before Delivery & continue it twee a Day, Mane said that the boneasts of Warmen are more hable to Blestruction than that in other and males as there are 13 or 14 miley ruffels on Momen whereas there wonly one large

pepers Bitches, & the wet Suction so better than; the Dry as by the Child the Obstructions may be removed: Some have continued the Glassis for some time after they have made the much run out of the Porcast, but this is wrong it should be continued no longer than to make the milks run out, for by continuing it longer you en: erease the Secretion of the milh, a the use of the glasses is to remove obstructions, that when The horeasts are much Dickended the mulhmay run out, Any Glap will answer as well as those made for the purpose as a glap Decanter or a glass for holding denegar or Wene provided the mouth is large mough, you four in warm water into the se repuls to rarefy the air within it, then throw out thewater & cepfly the Glass to the Moreast, but the nep: ple should be washed previous to the application The Glas; but of the Nipple roso large as that the Child can fake hold of it, it will be better to apply the the built sometimes the horeast is so much Distended Mat the woman can = not bear the least weight upon it not wen the to Suction & as soon as you taken away a made quantity the warman will be relieved. I sometimes the Nipple is obliterated or become

become very Tender so that Suction cannot be used then apply formentations to the tirreast, which always occasion pain at first & afterwards eases them & I magine the way in which they act is they will rangly the air in the bolood a milk when forst applied by their heat, by which the toreast is more Distensed & Merely cause a greaterpoint but as it encreases the space which the milkwailed otherwise take up, the melhers thereby Jorced thro the melky refeels I runs out by the Nippled thereby relieves them. Emolicent Centments have been applied for this purpose Mivill indeed relax the Park a cause the milk flow more readily through the milky defails, but these should be applied to a about the nipple, for by relaxing the other parts of the Horeast, the milks will soon distino themas much us before by the Secretion going on as there is some room made for it, but when Destended as before the secretion must stops these applications should be frequently orenew. - ed as it well be easely nubber of use perhaps every set hours doit this time you should keep them on a spare Diet : Descupsing Plaisters have been applied to the thereast In order to drive back the milk, indeed they may been the comet open & heep ofen the Porce of the Break & so

take of the Destention in some measure, but if the Plaisters of an Adhaseve nature & of applied toon it well do harm for on the 3 or 4 Day the melh comes into the Breast & the plaister not allowing the Mireast to yeals to the melhis will occasion a great Destention & pain of it at I like applying a tight bandage to a sprained anche when sow Preceived which will increase the swelling & Inflammation aboved below The Bandeige, So here it well oceasion a swelling Inflummation about the Breast The Breasts are hable to Obstructions a few Days after Delevery as the mulhy reefsels are to small that little wiell obstruct them. Suppurations are more hable to Lying-in Women Man others of may happen whether they give Such ormot. The Symptoms with which These come or are Sheverings, Pain in the kerrast La Redne fod Swelling of it & here we must endeavour to Disculs this or bring it to Sup: puration as soon as possible. We ende avour to Descripit by a Spare Diet, for of the person wes well more melh is secreted a thereby the abstruction becomes greater; tolerding They are some time brought tobses, for yourby about a week brought to town there is not

372 so great un Preasion for Prolecting as the dischort of Me Sochia answered to place of the Breast show Whewese be waruated of the milk, dif the Child does not such it you should get some grown up person to do das thet suction is better than Dry. If this method does no service but the pain of the Inflammation enercases, than we are sure it is going to Suppuration, we must now put thehr on a better Diet of lay aside all. Everentions & epply a pouttier to the boreas Some have recommended foruntations great by to forward the Suppuration, but they wet the Patient & cool soon, so that on the wholes poulties are better & apply them fresh twist a Day & before you apply it you may for -mind the Mereast: The Poullices should be of the Common kind, rout made of stale toms & milh & a little Oil or butter amongs it to heep it soft. Many remidies have been thou succepfull in procuring the Suppuration in The Percent, Went Suppurations here deffer from Suppurations in other parts of the Boo in this that you never know when they or to break, in Internal abcepes we know wh They are to break, by the pain & fever being greatly Diminished & in External abuffer The pain of feveres Demenished & the tumor come

coming to an Apex & the Shin thin, but endup. purrations in the Breast the moment before it breaks the fever & pain are very great d. whard to the feel of no fluctuation of matter felt, so that your things applied a little before it breaks it with receive the praise alho it did no service inforwarding the Suppuration, but as Mamen at Misterne are reeny Delicated. we should therefore Endeavour to give them peace of mind a in order not to allow them to think theit we have for got them you may put Nome softning Pintment in the poulties, as Ba= sileon again should allow the brees to open. of toelf, for if you use the Luncet you may do it too soon & weeft to inflame & Suppuration another part; & when it has offened it is unniapary to enlarge by Incision, asit will enlarge of itself, for when the opening is about The largeness as to admit only of a plen in the mor. ming, by the wining I have often seen werry large opening; you must still continue the application of the Poultice tell the fever hard ness a pain are intirely gone; it sometimes happens that when it has healed another part of the kneast inflames & Suppurates, & some-Inflames & suppurates, you must treat,

this in the way Directed above. Some Surgeons are affraid that the wound such heal when maller wen the Poreast & the refore are very assiduous to krup the External arefice open & on What account put Dog sils unto the wound, but these in take I inflame the More ast & there is no occasion for this for the wound well not heal as long as there are mat: ter in the kareast & therefore you should drep it slightly, besides Dopils pent up the mallirin The Breast to more comes out winted it is Drefsed but when Drefoed slightly the matter runsout us soon as formed. There sometimes happens Superficial Supportions on the Break which are treated in the same way a orminlioned before All Mose Tumors of the Breast which are others ed with great pain they will suppurate com & be sooner well of commonly according to the Degree of pain so is the Suppuration geneties & Mose allended with little frain are very test: ous there is commonly a small collectioned matter a when it heals it breaks out in another part of the Breaist & will continue this way for some time; so when the pain is little a the Suppuration going very clowly on It will be necessary to apply some healing stimulating substance in order to forward

and the Common people generally apply in this lass an Omion, or what will answer very well take-Some strained Galbanuma mex it with some-Basilican with the Yolk of an Egg, some have wed for this purpose mustard but this is very aft to Polister swill not be so proper. Sometimes after the wound has healed a hardness will remain in the horeast for some months, no application ishere necessary unlifs to heep the part warm & it will gradually go of a here you may apply a piece of Gats other, flannel Ne, but all your Stimulating hicking plasters well do harm -The Nipples we also subject to Diseases & may be reckaned two Wheration of the top of the 2 An aleration in the Proof or areala & The walways awing to a Nenercal Taint I An Exerciation of the Sop of the Supple. The Nipples are very densible for the Thin of Them is very thin & a number of Nervous felamento go to it it by the mouth of the Child they are rendered more sensible. When the Glands of the Nepple are affected so that they do mot pour out that resears Lequor to protect it a thereby become more Venoible of the least thingwells affect Them; sometimes they become then very

Spoungy which is tower by applying astringon medicines, when a Moman is to give Such wher nepples desder & spungy we should endeavour to harden the Shen with Spirit of Wine, a so-Sulson of Common Salt, Brandy, Jinet Myrth. which will harden the Skind Destroy the Sonsibility but sometimes they will resist at these apple. -calions den order to prevent the Child hurting the mipple when I was suching I tried mixing a little of the Oil of Cloves with Bees Waxd puting it round the crapple a applying all over the supple a piece of Gold beater Deaf with somesmall holes in that part which goes over the top of the nepple in order to allow the milks to pap throid! This did not answer the Intention, but when the nepple is affected by acremony in the Childs mouth as is the base in the Thrush it will be of great service as it will prevent the Childs mouth from touching the nepple. When you apply sperit to harden it you must not do it in the common way which is to Dip a both in spirits a apply the bloth to the supple, for after it has. remained some time it will harden so that you cannot bringit away without giving fair, times way is to wash it bearly two or three times way. If the Exerciation is great this method

method will not answer & will rather do harm as the -Spirits de will inflame it dhere you may try some Softning Gentment as the white Gerate of the S.D. which will sometimes answer very well, but it is troublesome for the Dressing must be taken off & the nipple must be washed every time the philo is applied to that Breast, a Soften try Astringents here as-Leme water with some White Vitriol in it, which does extremely well It deadens the Shin & heals the Execreace parts beller han the Ointment. Thave also tried Wades Balsamhere, but it has a Desagreeable smell to some people so that they cannot bear it ait is enconvenient as it must be washed offevery time you build is applied to it & it cannot be easily washed of, but indeed it answers very well & if the Child is to be applied always to the heal horeast it may be aided The Nepples are sometimes so much excoratedthat they cannot bear the weight of their Shirt uponit in this case you should put over a Small thing in the Shape of a sloutehed hat made of Lead or Ivory to protect it. The onfoples will be sore sometimes for two or three months let us do what we please & then they will heal & Sometimes they will drop of, or he so long. had that there will be an absolute necessity to take the frield from of her

378 2 When there is a slight Ulceration an the Arcola. This will become no better by all the former applications a you are sure that it is owing to a Venereal Offection. To satisfy your self you should examine the Child & then you can Ludge or of the Child is Dead you should enquire hartecularly about it. This is pured in the same way as the Venereal by the application of \$. I med say nothing of it but refer you there. With regard to the other Tumors of the Bread as those of the Seurchous & Cancerous hind, they are treated of in unother place & all I shall do is only to give a very few abservations. Momen sometimes have Searchous Tumors in their Breast for 25 years & in that space of time there is no enerease of their growth nor do they give any frain; in this case we should do nothing to them a Mere will be no Danger till they arrive to the age of about 45 when the Menses stop & then they commonly inflame Lturn Cancerous which is (wreden the Common way by Extentiation of them by the timbe for no external or Internal medicine can be of service here; In the Exterpation of the Tumor it is very common with some when it is small to make a long Incesion over the Tumor &

take it out, as in this way they save a great deal of Shin it will heal sooner, but this is wrong for frequently the Membrana as fosa over the Tumor is also affected, & fet is not taken away away of well grow again so you should take away the membra. nd adeposa as you do not know how far it is Deseased, & for the Deference of about one with or two in the bure it is wrong to have or the growing of it again so as to require another Operation or to hel the Palient, besides it is agreed by all authors that it is proper to keep The Wound open for some time which does a great deal to prevent a Preturn; so by this ime. thod of operating the wound is longer of healing Therefore that method is by far the Best !-Throw a Lady who had a Surrhous Tumor in her toreast which was taken out by an incision made over it, when nigh heal the membrana adeposo which was over the Tumor inflamed & became Surrhous, I did not see her till thistime & Torsered the Breast to be taken of a is now very well, but perhaps it may again octurn when her meases stop. Men the Geneerous Tumor has gone so far on Mat we cannot exterpate it then we must have recourse to Me ( alleative) which is to cause them to keep the Sore very plean & put them

In a booling Duet no Levery entirely on much \* originables & avoiding every stimulant or heating thing, and Dr Pluncard was famou for Curing Cancers by a Secret medicine which he had, he came down to this place to bure one on the face of a man in which he foiled withat an opportunity of Examining his misieine & found there was a quantity of Arsenie end, I when he Died he left his Recept for the be-- hoove of At Stephens Hospital in Bublin with was as follows Take of bolts foot a hand ful of Dogs femnel three springs, Sulphur d'arrenu of each three themble full, there he mixed together S. A. & make them ento balls, which he bru red d put on the dore but the most eflucacious miduine here we the Arsenies. This finishes the Disorders of the Breast. Heverish Disorders. One would imagine that by the Spare Det Mat Lyingin Women are put on I by the do: morrhage which huppins at this time that They well not be so hable to feweresh Desorders cit this time as cit others, but we find that they are most hable to them at this time. The Causes Some have imagined thatit was owing to some fault in the Blood, for when

380

when to lood is drawn at this time it has always the buffy Cout, but if Blood is drawn in the time of Ore grancy it likewise exhibits the Buffy coat besides the oudeness with which they come on ago of a going off for the most part without any Crisis shows that it is not owing to any dault in the polood. Many think that the Twenth Disorders are owing to anaffee. tion of the Neveres, but Anestony has asyst guen wovery little know ledge of the Herwans System das yet it is officted in the Doort but we should not Despair of ever arriving at any knowlege in it; but should engitive into A d may thereby make Discoveres, for There are many as surproving things in mature which have been Discobered as magni: tism, for dany person had said before the Inagnit was discovered that there was such attody in Nature popefsed of such surfin. tring qualities, who would have believed him? Showere by inquiring into the Herwous dystem we may be able to account for. many of the Prinamena altho we cannot. show its nature as was the case with Elec. driety, altho the Great men who haveln: quioso into the nature of it in vainget by this they arrived to so much knowledge in it that they could explain many theno-

mina relating it which would otherwise have been in Bloccirity, Mi must consider the bause of these to an affection of the Nervous System; the prin: - upal parts of which are the Brain & meddle Thenelis & the Herves connect them with The other parts of the Body. This exeresh Desorders are owing to an Inretation on the Nenues of surfind 1 That women are more Torritable than men being more Delicate, this apprears from their Shape, voice. look de. 2 What weakens a women makes her more Inretable, which houseastrons do; deither, man or Woman by Hamorrhages will's rendered Inretable a we find that if a wo: man in pregnamy has had a slight floor ing she will have an exceeding frequent philse for perhaps 2 months after dyet no Complaint & if Evacuations are made on a Hysterical Homan or of she whaton a low Diet she becomes so Inritable that The least noise will accasion an Hyster. -cal Paroxysm. & a person just come out of a fever. The least circum steere will quicken his pulse greatly - So in Lying in Women by the blamour hage which they have at this time they become more irretable

and this is greater in those women who are weak than those who are strong & greater in those women who sweat much than those who sweat little, so that shove Women who areistrong & those who do not sweat are less hable to Jeverish Disorders Man those who are weak & who sweat much. We find that wheil Diminishes the Inribability cures often theses Flewerish Disorder. of by giv. ing your fatient Wine & Water, Such whey & does more service than Water Gruel, & of you give a Dase of Landanum which Demineshes Me Irritability by bulling the Patient & dimensh: 3 Whatever encreases this Irretability is. is common to all women after delivery will occasion Freverish Desorders. And to oluve = ate this you must have regard to several birumstances I It is necessary that you should consider The Constitution of your Patient, for of she is an Hysterical Delicate person by heeping her on a low slabby Deet you will inercase the Doritability & occasion Feverish Disor ders, a she should be put on a sold strength. ming Diet which all Hysterical persons agree 2 you should have a regard to the Evacuation which has happened, if the Nochia has flowed in

384 inavery great greantity, it will make the per: - sono more Delicate a Munifore Muy should be put on a good but if the Lochen has been in small quantily & the person strong the should be put on a lower Diet: Every hysician almost when he finds a womun ina feverish Disorder ondervours tobring buth the Jochia as they thenk that the stoppage of it is the bourse; but there you must have respect to the Jime, for of the feverish. Desorder happens on the 10 or 12 Day a to endea. waver to bring down the dochia at this time is as Reduculous aboto bring, down the menou in the Indole of a period to ente a Frener, but if it happen on the 3 or 4 Day & has had very little of the Lochice of pains in the Belly At then you may endeavour to enereuse the Lochias by Blood letting, formentations to the parts of Generation de. Again you must have as further regard to the Time these come on. I this felienish Desorder come on the Dayn after Delivery you are sure that it is not the mulh fever, if it happens ton days after you are also sure that it is not this fever, if it hop - Juns on the 3 or 4 Day you are not sure but that this is the much fever as it alway comes on at this time you feel the knews to of the Women & if you feel like melh in them or

I they are become more Jurged you are sure that it is the Milh fever, but altho they have not become turged yet you may suspect that it is the mult fever as it always combs on at this time But ya Moman is selected suddenly with a -Jewerish Disorder & without any bourse on I she what on a Dict that she was not accus: Tomes to, as being formerly on a High Diet dnow on a row one then we are sure that two not the Guelh fever; of the fever comes an suddenly a without any wedent bause it is commonly not Bungerous; but if sud denly with an Evident Cause it is generally Langerous. you must consider in the first place (when the fewer areses from an bedent bause) whether the Body or mind is affected If the mind we affected by some of the Posseons as Fear. Anger se a fewer will be produced There the Cure well Defer wedely from an Reflection of the Body, for here by Quieling I belling the Palient over with a Dose of Landemum may bure the Patient Whereas by giving repeated Doses of Physic well only encrease it. The Fevers outgiet to Lying - in Momen may be Deviced into there different hinds which you can easily Distinguish from on another

386 I Flevers without marks of Inflammation I Fever attended with inflammation. 3 Thewers with Muliary Exception The first may be divided into two 1 Those Revers which are of short Duration 2 Continued, or those of longer Duration I shall not inter upon all the Cercumotunies necessary in the Streetment of these Diseases, it will be sufficient to mention wherein the treatment of these fevers in Lying in Women differ from them when attaching Fersans when not in his Situation; as these Diseases are fully treated off in Another place. Hes very deflicult to know a fever in adjung -in Women of you may think that she win en Sever when she wordt, you cannot judge ofher being in a fever by her Pulse, as Women in This situation have often a frequent pulse, es - precally of they are Delicate a yet are in a good way . I yould often find the Pulse to be 120 & will continue so for two or three weeks after Debruery; you cannot judge from the Heat for women at this time are hept avery warm by blocks & Marm Drink so that they have a greater heat on them than natural. a dymp. form of Jewer is taken from the Unine being

high colored a having no Sediment, or sometimes the Urine being pule, but you cannot pedge of this here for in the first your or five Days, the wrine is tinged by the Execuation which happens at This time , & after the Lochie is Dryes up a mu: cous Discharge remains for some weeks of the Urine at this time is rendered whitish of thich byit, therefore you cannot judge by the revine But if you should find your patient very rest. less & uneasy, great heat on the shin, intense Therst & frequency of Pulse then you an sure that it is a feverish Disorder. Now I shall break of each in particular in the manner I proposed. I Hevers without any marks of Inflammation. 1 Those of Short Duration or what are Thise commonly attack the more Delicate Mo. mend those who sweat much, it seeses them like a det of the Aque first with a bold fet which is succeeded with a hot & swealing fels. they commonly ascribe these feveresh Disorders to Colo but the contrary seems only to be true for the most common bause is heart of great observent produced but independent of Mis, nothing is more common than these to arise from the much forming & from being absorbed into the Phase of Blood, by withating the Systems

388 for altho anish is a very milk Liquor statues know that by injecting it into the accepteds of a Dog that it will hill them, so by the melts be ing reabsorbed a fever may be occasioned. The only omethod of bure is when the Gold site com on to endeavour to living on the Sweat as meet as possible of to do this wethout heating the or -tient too much, & for this purpose give hersome gentle Diluent Liquors gently warmed as Water Greek Kep. In the Lying-in Ward. there are never any accidents arise from the Diseases as they are hept look, but when they happen nothing is done but applying a warm From to the feet in the time of the bold fit & give her a Draught with Some Stot borne bervi If this Disease arises from the Capsions. The any Curredy is a Dase of Landanum & giving some warm Deluting Drink. 2 Continued Fevers or those of longer Duration. It was formeby Mought that women were not hurt by warm Regimen, but this is of the worst consequence, but have often seen Continued fevers brought on by this ways d become sometimes very Delirious & their fulse extremely frequent. Among the first times I observe the bud effects of this Regimen was

was on a Roung Leidy who had taken a Weld, in the time of the Colo fit they applied above to Warm Trons about her besides she was in a blofslittle room with a large fire in it & gave her warm Drink, by this method in a short time whe bee: came very Delirious, Iwas sent for & 9 knew what the cause of it was, I knew that by plunging the patients hands in warmwater would be the most effectual remory least as this was uncommon & if the turned worse this would have been ascribed for the Cause, the next thing Seculd do was to take away all the Irons to Then the Windows & give her boto lequoro to Dronk. by this method her pulse soon fell & the Delirium went of. At Mat time I had two Br three Instances of the same hind which showed the Impropriety & had effect of this method do They were always cured by the booling Pregimen. If they were not much relieved by this method in Twenty four hours then it becomes a bon. timued felver; They are more Gradual in -Lying - in Homen than in any other person as at is here very Defecult to know when they begin as at this time they have a great heat on Them & always a frequent pulse. When these There are attended with papeons of the mind they are more violent of it after happens

390 that when they are seized with a fever at this time that they are affraid of think themselves Dying as bontinued fevers were more Dungerfus too Lying in Women than other persons, ather fewer makes them onuchworse. Delirium is not so very Dungerous in Men or intactio Puellis. but this not the base in Sying in Womenfor a Delirium is always Dangerous in thethe leut there are two Deliriums, one aresing from an increased impelus of the blood thro the Brain & here there the febrile Symptoms heep pace with it. Mis is the Delireum that Imean to be Dangerous, but there is another Owhat Veall a Naponish Delirium, Mus is Distinguished from the former by its halfrening to those Women who are very Belicate I who have suffered great Evacuations & does not come on Succeedly & the Symptoms as the Subsultus Tendenuntedo not heep pow with it & the only remedy for this is to give a Dose of Landanum, which soon gruetines I she commonly awakes sensible, but if Lawsanum was given when owing to the forst hind would do harm & energase all the Hebrile Symptoms & when a woman is sevild with this Delirium they selsom or never Recover. The Comisis is sooner here then in any other fevers as they com.

391 monly have it about the bor of Day of they selson Die of May live to the gor 10 hay of the fever whereas a fever in other Persons, they I sometimes die on the 13, 1/1 Ker Day. The bure closs not wary much from that of other fevers; you'll sometimes blood them, but There you must consider the Evacucations theys have undergone as the Blood, sweat, & also the Spare Dect they have been put upon & this wite make blooding often unnecessary or at most done sparingly. Sweat is often the bresis of these fewers, but you must not fireduce it by healing medicines, aif a gentle sweat should come out & youkese milo me. Thodo to encrease it a of by the the febrile Symptoms are encreased as thirst moreintense Uneasines greater Ko you must stop it at it will do the patient harm. you give also as in other Frevers a Solution of Fait. Errict. in order to cleanse the Prind wie as they are often owing to this bause I of the Solution is given in small Dosesit well sperate both by Somet & Stools. Blisters. You should be more sparing of them here than in other fevers as you often cannot Distinguish between that fever where Mere is an Inflummention of the Womb & this, in the first of which it may do harm's \* I young does not give the reason why they are not proper in Inflam.
The words I magine the reason is that pleaters have a particular.
The words I may pussed is a produce an Intertation on them with
the tan the Uninterly pussed is a produce an Intertation on them with
Investigate may be communicated to the meighbouring parts as
Investigate may be communicated to the Influentation in
the alteries see and thereby well increase the Influentation

392 I do not mean by this that you should not use their for in these fevers, but you should use them-iautiously. Injections are very reseful in Sying in Women for they not only open the Belly but answer us a formentation to the Ette nus the if any way hurt or inflamed . - s 2 Fevers allended with marks of Inflammation Such is the Composition of the Ulivers that it wit: - oble to Obstruction & Inflammation both in the lime of Orignancy a after Delivery. The altirus itself is sometimes in lamed, & sometimes it is not the Uterus but some of the Neighbouring parts that are inflames as the Ovaria. It is worse to Distinguish an Inflammation of the Whereis than un Inflammation of any other viseus, as a violent pain in the dise attended with great pain will Determine the Descess to be alles -resy. It restent pain in the Region of the Live with fever with show a depatitio; but wican: not so eavely distinguish an Inflammation of the atteres for Women at this time have often hains from other Courses, their pulse frequent when nothing is the matter with Mem & heat a Dorolight without any lever; the only manh of Distinction is inat all pains arising from Inflammation grow worse on the here day, whereas other pains go of at this time; Inflammations of the Uterus are often attended

with Chillings at the organing which has been Thought by some to distinguish it but it also attends speams of the Uterus; also in Ingla mona. tions of the atterns a hard timor is lett in the region of it, but the does not distinguish for The same arises from Spaums; In Inflamma: tions of the atterns there is a greater fewer and wattended with Sickness, which last downor attend other pains, units they havehad sucharis during the Labour pains & then it may altend other hains; also inflammations of the Uterue w attendes with Quick pulse great therst. Resturness & sometimes a parenty of the Sochia say cometimes as it is far from being an constant eitlendant on them. Causes. It may be owing to some External Injury; what call External Tonjuries were when the chies head remains long in the papage & the pains very strong so that some of the Parts are much hurt in the Delivery: Loo much force being used in the use of the forcepiste. a person being too hash in turning the Shele, One using too much force in extracting the Placente & thereby do violence to the Etterw. it may be also awing to a too wolind con: traction of the attorns after to contents are expelled; also it may be awang to an aller. . id. Determination, as from the tereasts to the Uterus.

The Inflammation of the Ulerus terminates whe all other Inflammations when by Resolution Suppuration or Gangrene. It often terminate by Resolution is we do not know of it, for it often heippens that there are slight Infiam -mations of the Uterus yet by the Discharg that nappens at that lime it is carried of the here the Symptoms are so very mus that you do not know that there is any Inflam. :mation . It also often terminated in Sup. - puration & here the Desease is always Fibi: -ous for they will have so fever on them for Three or four months attended with a constant pain in the region of the Uterus & Groin & Then an absects will form about med region of the Uterus & will descharge a great open. tity of matter; thus when you find the rule frequent for some weeks of attended with hain in the Region of the Uterus & can as: cribe no balese for this you may be sure that an abcefs will be farmed about the region of the Uterus which will relieve the Homan; Samstines the Abscels forms on harts of the body which has no bonnection with the Uterus as on the Legs, thighote. the Tendan in Blood-letting that the Tumo

is not conserved to the wounded part but two more will appear in various parts of the Body . Thave had many Casts of Indiamna. tions of the Uterus terminating in this way. Inflammations sometimes ferminate in jangrene. This termination hubbens to those Homen who have suffered great violence in the time of Labour. When Inflummation of the Uterus ferminates in mostification it is always mortal, the others remain, Tome time very mild but This aways halls en three or four Days. The Prognosis. depends on the reolines of the fever & other Sumttoms, but in general ther may be rechoned mortale. The Cure . The first thing to be done here is Bloods-telling). I hold you in the former fevers that often there is no occasion for bleed. ing or at most must be done sparingly on account of the wacuation that happens but here you should never spare the Lancet when the symptoms requires it. Some thinks that the most proper part to take the blood from is the Hena Suphena, others again think hat it is best from the Arm. It was imagin: to that blooding in a part at a Distilnee from the part affected, made a hevulsion from

396 from the part affected to the place that was told ed so by this way the repells of the affected part were relieved. This Doctrine is as antientas Hypocrates or Galen who imbraced it it was embraces generally untill the Generale - lian of the Polood was Discovered & sine it was Discovered there are shit some who en -tertain that notion a use this method, heat allowing Mat it was true yet it is anny in: -convenient, for the vein does not blue freely dyou are obliged to fut the feet among Warmwater & still you cannot get a propo quantity of Blood. Muit again their Soctrin es fallacious for altho a vein is opined the pressure is not removed from it I eventho you should make twenty arifices in a Vien it will not transmit ciny more blod than before i also less tolood is transmit: to to the Heart in the time of Blooding than afterwards. E. G. When you are to Blood The Median Cephalic which you'll suppose to transmit two dunces in a minute to The heart, by the Ligature the whole block in the veins of the arm before the Legal: - we is stopt which you may ouppose brans -mitted eight bunces in a minute, when The vein is opened not above three aunce comes

comes away in a minute, so here instead of the refsels burg more relieved they are more Crambed than before; therefores the Com w more preferable Man the forth By the Lancet you Diminish only the gream tity of the bolood, but Topical believing ne: heres the respels of the Can't to which they an applied. Thus we see a small hamer. Theige from the nose will cure a headach when four times the quantity from theann will not, I we know that in the -Wiles that a few Leeches applied to them with have greater efects than four times the quantity taken from the arm as they relieve the vefsels of the part affected tout in an Inflammation of the attenus Bleeding in the last of Jugular is no better then in the arm dinoced the last ought to be preferred. Fomentations this is in two ways when to Jonent the belly with cloths wring out of warm water or to put them in the Warm both both which are extremely good; Dor Gelehrist found that the warm toath was not only good in Inflammatory dever but also in bommon fever but it must be heated no more than good 108 in Farenheits Thermometer by which they can remain longer in it. Another way of tamen tation is to apply the Shino of new hillis animals

398 Animals to the toelly, & nothing is better than a Lambs shin din order to get it warm the animal should be killed in the next room & the wool should be baken of das soon as there is as much cut of as to cover the abdomen should be applied. immediately to it, it as it will cool in four hours it should be then renewed. Camphor. Mr Centeau had a great openion of this for in an infectious fever which raged among Lying - in Momen at Lyons he found that those who die not use the Camphor Dies whereas there who used it recovered it by Dy-- sections of More who Deed of this Disease the bowels were much inflamed, & M. Pentian laid the whole stress of the bure on the Camphot leut he changed his opinion some time after. -wards, for in a fever which raged in the same menmer, he found no advantage from it Indeed it labours under several Bisadvam. tages for at this time the Stomachs of Women are very Delicate & as it is a Nausious Mide. cine it is bad to take dwhen swallowed it Desagnees with their Stomachs unlifs it begiven in a soled form, also I have tried it fre: quently & never found any service from it dif it is given in a large Dose it may do Netre Hofman recommended this mide -cine greatly, it is a booling miduene of it open which is of great consequence here Barh. Me find that in all Inflammations from an External Cause the Bark is useful as a Moreion received on any paint of the body tending to Gungrene by the applica: From of the Bark internally great service is received. So in this case which often & for The most part arises from an External Injury by giving the Bark early a mor. Expication may be prevented; but the on: by objection against this is that as it is an astringent it may stop the Sochia which would do a great deal of meschief. but this conot the base for I have given it in great quantities in order to stop Immode. rate fluxes of the Lochica which did noservice & I have given it immediately after Delivery to bure Intermettents & it did not less in the Descharge in the least. -Therefore we may give it freely & that can be no objection. Injections are proper here to heep the Kelly open & as their Stornachs cannot bear Camphor you may thro some of it up by these, Injettions, & also you andy throw up Netre in the same manner, a both there remedies

400 are Useful here. Likewise these Injections answer as Jomentations to the Uteries, & here you should throw a great quantity of the -Injection for 3 Hot W will have little effect Thank been often obliged to throw up three or your Sets pents of bald water to remove a fostiveness, therefore in order to make It answer the purpose of a formentation a toopen the Belly you should throw up a great quantity of the Injection. 3. Twens attended with Miliary cruption The Reason of my taking notice of them is that they are attended with more Danger in con - sequence of the Exuption. In the year 1559 it raged it Leepsie & cut off a great many I this is the first time that it was ever taken holice of, some years after that it raged in Germany dearries of a great many. There is a Favorable of a Malignant hind of this Disease & in this bear's a resemblance to the Small Pox in the Distinct of Confluent. Symptoms. There are no symptoms that can show when the fever first comeson to be this Disease until the Enerptoon appears & in this resembles the Small Pax where there are no Symptoms that

can show it to be that Desease in the Eresptive fever until the pustules appear The Favorable kind begins with a fever wh generally comes on in the Bay after Delivery I there is no appearance of milk in the tereasts There is a full strong Pulse as is the ease in all Eruptive Diseases as in the Small Pox, also There is a considerable degree of Languard restlefness & they have this to a greater or less degree according to the greatness of the Eruption; then they have an Itehyness on the Breast & neck & then the Enception appears. The Symptoms of the Eruption of the Malignant are the same with those Just now mentioned; the malignant gene. rally altacks those people whose Constitu. lions are bad & Those who have has fre = quent feverish fets before dep. After the cruption has come out if the number small the fever generally goes off; but when the number is great, the fever conte. new a in this resemble the Distinct a Confluent Small Pox. Often where there is a great number they lose their Strength alloja sudden. Pulse les full d a lossemp comes on which carries them of on a short time. There is not a Disease that

I know of that requires more Matching Man Mis, for it changes so suddenly det often carries of the Patient in twelve hour The miliary Eruption is of two hinds the Red & white. The Rid is when small Red pemples appear. The White are like small vesicles filled with a watery matter & nesem. · bles somewhat the Itch of thes hind is always more Dangerous & is called the Malignant him. Prognosis. The Danger is more or les according to the greatness of the Eruption & en this is like the Small Pox for the Disting wnot Dangerous but the Confluentorwho The Protules are run together the Danger is great. The Danger is more or less ac-- lording whether bronot the Symptoms abate lafter the Erception & in this is like the small Pox, for in the Distinct the Symp. toms go of after the Eruption but in the Confluent the Symptoms continue. When the Eruption goes out din, it is al. -ways Dangerous, also if the Patient is sevice with frequent both fits altho the Enuption does not go out ding yet it is also Dungerous . There is also a Dunger of the Lechice should dry up on the third day as by this the Patient will become

more Jeverish a all the Symptoms well be en creased. There is always Danger when the Sensorium is affected, or become De. livious, sometimes they are affeited with something like a Palsy or having a numb: ness of the body & do not see distinctly & of a remiting succeeds without any evident Cause. These are unfavorable Sym. froms a are the forerunnels of a speedy Death. When you find a Stepor comes on in any considerable Degnee you may be sure that your patient will soon Die burg. Imentioned before Mat this -Desease has a great resemblance to the small Pox, the Ored meleary Enuption resembles the Distinct & the Whate the Son. fluent & like the Small Pox our Cure is Divided into 2. The mana gement nes cefs any in the Emplive feller, & the management when the Eruption appears 1 The meenagement of the Eruplive fever When the Flever runs high you are often obliged to let blood aben the Small Pax. as you do not as yet know the Disease & altho you know the Disease of the Symptoms are resolent you can take some blood for it does not prevent the truption from young

A0:4 going out buil on the contrary forwards it, for by lessening the fever the Eruption comes out sooner; but if the fever does not run high there is no occasion for Ablooding. This is one of the Diseases where the flatients are the work of being heft warm as in the Small Pay & it is common when the patients are heeps warm in these Disease's that there is a Greater Eruption, however in this Disease you must take care not to expose them togreat Gold which will reped the Enerstion do hairm, so it is not only unnecessary to keep Warm in this Disease but leven perns 2 The management when the Exception appears In the Teworable. When it comes out it ge-= nerally continues 6 or 7 Days, & as all the Symptoms are gone of there is nothing to be done here, din six Days the Eruption will come offen small Surfs. 2 In the Malignant. This is the same as in the Confluent Small Pox for after the Exceptions comes out the fever still bontinues & some. times it happens that the Evulative fever is not so high in the bracking as in the good hind, after in the bas hind it continues after the inuplion is out. At this time gentle Purgatives are proper & we find that

They are of great service when the fever remains after the Eruption of the Confluent Small Pox as is practised by Dr Dimsoale Lep. They should avoid al animal food a to use a Vegetable Diet as in this case there is a ton: dency to Putrescency & if they cannot use Vegetables freely it will be necessary to throw up quantities of Negetable matters by in-Barn This is very properhere as this in the Confluent Small Pox, vanetimes they cannot use it as it does not agree with Their Stomachs die Hausedus, of Misis The Case it aught to be given in Injections dena Sold form v. e. made in a sine how: der amixed with any vegetable Decoction as a Decoction of Chamomile flowers & to be thrown up in this way, but for this purpose a larger pipe is necessary than common, I'Me Rection like the alrethra will admit a large pipe with as much ease as a small one drather with greater case for when small your are ready to push it against the side of the Rection & Thereby hurt the patient! When the Erription comes out slowly of the Jever still continues tolisters is a good remedy to promote the truption here

100 so you can apply a Blister to the back & also you can give gentle Purgatives and Injections of Negetable substances with The addition of some Drops of Laudanum en order to make them be retained the longer, which methods will forward the Exuption. When this Disease raged at Straw burg a Momenwas held in great reputation for buring it & her method was she gave Injections of Cold water well a little kutter I Salt added to it I gave them look drink made of Water with a little wine, Semon fine & Sugar & by the method she cure a great number. As this Desease has buch a great resemblance to the bonflu: ent Some Oox the method of Coure deffers in no respect from it? There are other Diseases which do not belong properly to Lying on Homen butthe consequence of Delivery May are rendered more blable to them & there: fore I shall say somewhat of them Of this blass of Diseases is the Prolopsus Uters, or Halling down of the Womber. Every, 7 Woman is liable to this Disease, Nirgins

as well as married Momen, but Momen in Consequence of Delivery are more leable to this Divease then those who never had any Children There are two species of this Disease wint the Incompleted in the Complete The Incompleted is where the Orifice of the Words comes tother Os Exteriem & the Complect is where the Body of the literus is wethout the Os Ex terason al. together. Many buthors have aperted that The Complete never happens, but you Ifine that Save our d mentions one base of it & My Buysch mentions three Instances of it, but Helieve that the Compleat deloom happens. The Prolapsus alteri has a Defferent figure in Deferent Women a defers in figure ac--cording as it is without or withen the -External Brifies. The way you distinguish this Disease from others as Polypi is that on this you will feel distinctly the Infece of the want which you cannot do un others & this likewise Distinguishes it from an Invertion of the North where the bottom of the Mamb falls thro' the mouth of it; for here there is no orifice either to be seen or delt, it also happens all at once & must be relieved as Instantaneously for by the mouth of the Wamb contracting on

408 the Mody the perculation will be shops 'x a mortification will soon come on so unag Investion of the Ultirus the Gure mustbe immediate or a strangulation will ensul Causes. This is awing to any thing that relaxes Mr. Nagina or Legaments of the Word too much such as by Insmoderate fluxes of the minses, Theor albus tep Reduction. His very easy to riduce the Uterus but it is not so easy to keep it in the proper position when once it is breduced .sometimes it is so very painful the reduction of it that she can helvely bearet bythey order. ung her to help her bed for 24 hours & use Bleeding & formentations the Reduction will be very easy & this method should always be practised before the Reduction. Vistone you Resuce it you should absence whether or not any part of the Wamb is-Ulcerated as often happens when the Word has been down for some lime; of there is any Meeration you must bureit before you reduce it . For the Reduction your must lay the Woman in the same positi: on as if you was to use the forceps of the you reduce it with two fingers da hum of one hand or as some do with the fore

fingers of both hands, & this is easily done, but something is required to heef it in its place. when Reduced a prevent it from coming down again & these Instruments are called Pelseries These are made of various substances dare of Deferent shapes I shad go over each of these The Substances of which Desseries are formed. Now the Great Desideralum of Peperies is to get them so as to enter with ease but to be with. drawn with Difficulty & altho this at first sight would be thought to be easily accomplished yet it is a Defecult matter. With this view when the Prolapsus is incompliant; Defrences made of Spunge have been used, which is a soft substance a will not give -Them eny pour & when introduced field at. sort the Liquors there which will make it swell a thereby come out with greater diffe: cutty; but it will not answer if the allerus has been long down a so requires some force to heep it up as the springe does not give great Resistance; Likewise as It absorbs The Liquors, if they remain long in the -Thunged in that Degree of heat they will become acris & hurs the parts so this hund of Pessurie must be raken aut every day & washed & before you introduce of.

\* you may throw up some Sequer which it will absorb dit

it you may depit in some astrongent Lequor This kind of Pelsurie may answer dery well which mb great resistence is required to keep up the Nomb a as it often has not Resistance sufficient to hup it up Defruit have therefore been made of book, but this is hable to the same objection's with the Springs for it will absorb the Liquors which will be : come acred & heart the parts, to remedy this thas been depoped in Hax which will make it from, but yet in a short lime the Max and absorb the Lequors & pieces of the Wax may bereat of a then the book is exposed tother Lequors & will absorb them. So book Paper aries are inconvenient; to remedy this they have been made of the different hinds of ome -tals, but they are inconvenient by their great weight either to fall out or prise to Patient greatly, likewise the Legerors ofth Vergina will corrode drust them which will hurt the parts & Murefore Refouries have been made of Mood, if the Woods sold it will answer very well for when it is soft it will absorb the Liquors, which will be. : come Acred & hurt the parts: Sometimes they are made of Ivany which will an: : ower the best of any as it is a smooth, light & compact substance & will not absorb Sequent.

The Figures of Pelsuries. Theaare very varis ous. They have been made in the form of an Egg which you introduce long ways a when introduc. es you turn it acrofs & so unswer the Desideratum by going in easily but coming out with Deffe: culty; but this chape is not so proper for if the Woman walks about a little while , the pepure will shift about till it comes into the same Direction in which you introduced it & will come out with as much case as it was introduced Do Simpson of At Andrews contriver one but it does not at all answer the purpose. Some were fixed by strings as the one which hers a Ball & socket; but these are inconvene: ent for of the Person is Corpulant our the Summer these strings will gall them dalho They are easy enough when stunding yet when sitting the outer extremity may hurt the Exific of the Vagina; it is convenient on account of the person asapteny it herself which cannot be done with the others as they require a person of Shill, yet Misis not adequate to the Inconveniences & Merefore This should be laid aside. The next formis the Round. Some are percular with a small hole in the middle to allow matters to perso from the Womb as the mindrual Discharge, but the larger this opening is so much the

412 better as it makes it much lighter a Menely easier to walk with & lefs laft to come out. I said the reason for meeting the hole in The middle of the pepuries was to allow mo ters to pass from the Wamb as then they nept it perpendicularly up from the Os Cocigis to Os Pubis, but in this way it is very difficult for the person to walker Tit; but notwithstanding of that it is bal, for the pessurie is only within the orifes of the Magina & the Utterus well fall upon The refourie & is thereby still out of its place being still almost at the origine of the Nagina; but the best way is whenin traduced to press down the upper coge I lay the pessivie flat, in this way you will keep the atteries the length of the Dia. meter of the pesserie from the orifices the Ragina which will be believed two & Thiree inches & in this way the atterns wit be rept in its proper place. There is no Difficulty in introducing the Pessurie but you must have it of such a sure as to occasion a stretching of the Perincum to introduce tet; you introduce it eage ways & when entroduced you carry that edge of it which we next the Os Pubis down so that it may be supported side

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ways & prefs it to the back parts, for sift was close to the upper parts it may hurt the Wrethrow, in this way you will hepp the Uterus two or thru Inches, from the Orifice of the Vagina & they may walk about or sit with it without any uneasiness & of you allow it to remain some time you will never fail of buring the Desease, for there is not a Disease that we are more certain of a bure Man this; if upon any effort being made the pefourie comes out, you must introduce a larger one. In every person you should withdraw the Pefourie every dur months & wash the parts with milh & water by means of a Bag & pipe & then again introduce it. There are instances of Momen carrying Defouries in this way five or Sex years & There is one enstance of a Woman carrying a Pepurie for Twinty years.

Moles or False Conceptions

This is a general Germ dis applied to cony of thing that is contained in the atterns unless the Child. These Moles are of two hinds ather loose and attached to the Atterns or adhering to it. Those what are not attached to the Atterns come away in a few months but those which adhere to the Atterns may remain there ma:

- my years. The Moles that do not adhere

SIA to the atterns may be awing to a quantity of Blood being coaquilated in the afterns & lay remeung there takes on a fibrous Texture I we find that moles are most debject to those whose memes are about to leave then I to those who have great flowings of the menses. I told you before that when the Menses are about to leave Women that the are obstructed for two or three periods A then have a Diolint flowing the net dane obstructed again which is succeeded by another violent flowing & and in this way for three or four times. so if some coagulated blood remains in the alterus after the first flowing a efet comes away in any of the succeeding flowings they were think that they have aborted especially as they had been obstructed of the mats taken on as febrous Texture; the Blood is coaquilated. by remaining in the atteres & by the com - pression of the atterns it takes on this fe: brows appearance; in confirmation of this I you put some blood in the same Tempe. -rature with the alterus (especially sorry Blood dexpose it to the same Compression as it undergoes in the atteress it will become of a fibrales Texture, a youll find no balood

vefoils which you always do in More which adhere to Met alterus or where the True Con: ception turns into a false one. Moles are sometimes owing to the Woman Conceiving but at the second month the Child escapes unperceived & the placente remains which by Blood always adhering to it I coaque leiting will form a large map which has no resemblance to a placenta but upon being cut you'll perceive Blood wefsels. . The Moles may be owing to two bourses either Blood evagulating in the Uterus & taking on a febrous Texture or to the Homan conceiving but the Child escaping the Placen: to remains & by blood congulating, around it forms a large febrous maps. A is not so easy to account for those that adhere to the Ulterus, but they are sometimes awing to the same bouse that repairs any last part of the tody; it is very difficult to account for the reparation of a lost part thus when a Bone is broke . There is a flind matter poured out from the Extremities of the broken bone which at last becomes hand of the same natione with bone; a when a Tendon is broke it was formerly the custom to sew it together but we now see that it is

416 needles for alto the broken Extremities should be one inch separated by it we find that they pour out a liquor which harbens & become of the same malure with Tendons & units The two broken Extremities together. Also when a wound is made in a muscular part there is poured out a matter from the extremities of the respels which becomes hard & of the same grature with a muscle, so the reparation is not owing to a prolon. gation of the Broken febres but the vefsels pour out a liquor of the consistence of a gelly which becomes at last of the same substance of the part which the arefield belonged to which poured out the dequor. If you take the afoistance of a Glass toek - unine allound youll perceive a vesseu. -lar substance first poured out, which bee omes always firmer until at last it becomes of the same nature with the port that wers warned. It would seem very Strange that a Liquid should thus become a solid, but we see many tramples of this in Nature, thus the white of an Egg which is a Transparent Lequor well form all the solu parts of the animal & altho it is a homoge. neous fluid it will form parts of different Solidity & Sexture as the Bones, Cartilages,

Tendons, Ligaments des leheurse en Me Embryo There is nothing to be seen at first but a histoof Lymph contained in a Bag yet it becomes harder to the Consistence of Brain; to when a part is hurt the fluids that issues from it from the same slebstance with the heirs part I do not imean to say that when my flriger is pricked with a fin that the Blood which Jones from will harden on my fenger & form the muscular paint any more than It will do when it falls to the Ground, but that portion of fluids which coagulatein The mouths of the vefoils that are wounded, form the substance & fells up the vacuity - hence you see the frist of heep. ing wounds too blean, for by washing away that Liquor which is poured out The wound is prevented from healings. In the same way olype may be formed the first layer of the Colypses to some refsel in the believer mimbrane or shin being burst which pours out a fluid that hardens & we find that the Shirt or Searf Then pours out a Legnor which sometimes Jomms a borny sulestance denthis same way the Cyslic Tumors may be formed as when a Lymphale reful hursts if,

if it is large there will be a great flow of a Lymphalu Lignor, but ill small the Lignor will run slowly dwill harden a farm Tumors; a we find that in Millings of Bhood, fleshy substances will be form I knew a Gentleman who had a violent Spelling of Blood, which after it stopped he was sevied with an incepant fough. ing, all Pretorals were used without re: - befat last he coughed up a large price of fleshy substance & there the Cough in : mediately left him; this substance had been formed by the blood coaquiating in the mouths of the resplectived reefsels which had stopped the hamorrhage, but by the substance irritating the Lungs a violent cough was produced which continued while such time avit was expelled. So I consider Moles Mat as: here to the atterns may be formed in much the same way. Samilimes it is difficult to anow when a women has actually conceived on has a false Conception, but may been known by every thing being regular in a Woman that (abreived from the beginning to End where as in a false fation

bonception every Mung is irregular. Ishat show the Deference by a bask of a faire lon ception which I had about three weeks ago. a Lady about seven months ago (hadben obstructed a period or two of thought she had conceived as she was becoming a Mille Bully) was seized with a flooding Inothing like the Child came away be The flooding was very gentle she was as: wested to use gentle Exercise & for the four. pose took a journey to England, her flood. ing left her when she returned I saw her Ale toto me that she has always a showing of her menses, which have told you wa where sign Mais she was not with Chilo as inever knew an Instance of a los man having hermenses regularly to the seventhe month a to be with while as was the Case with this Ludy, she was bully buil not so bully as she should have been, being now she thought about The Seventh month & altho so fat advanced she had never gelt any motion of the Child all These Symptom's plainly determined me to tell her that she was not well Chill. aleant three weeks ago I was colled to her, I was by her redhoning now come to the full time, she was severed with a

420 when I saw her I did put her to the External Touch & found she had only the pull ofo Women four months gone with Child, Ilhin Introduced my finger into the vaginad found the mouth of the Womb delates about The begness of half a brown, but felt nothing I was now sure that she had no Chils and behooved to have been Dead for some time I the flowing from the atteres was not free: - tries, which would have been the base of the Child had been Dead; in order to abate the flood. ing I gave her of I to of Opium by which she slift well dwas easier all next day, but at night was sured with pains like the Labour pains, upon entroducing my fin: gerento the Vagina Ifelt a large soft sub: stance at the mouth of the wants, I know emmediately what it was, I laid hold of it with my hand a as it was soft a timber I got only about the half of it away & her pains eased, but is a host time they returned a became stronger than ever after they had continued sometime (for you should not be in a hurry here but allow time for Multterus to push of in the papage) Instruduced again my hand into the aleigina of brought the whole away

away, by the Structure I imagine Mat This Lady had conceived but the Child had escaped a the placenta remaining of the Blood coaquilating around it has formed this substance, it was full of small -Hydatids poined slightly together dwas-Thereby very tenter. The Swelling of the Belly is a method that you well find always to Distinguish a person to be with Chils or not, in anost of women about the 6th month of pregnancy the Wamb reaches half way tectionen she Os Pubis a Navel, un-The of month reaches the navel, in the 8" half way between the Scorbiculum Gordes & Navel, in the got reaches the Scorbiculum bordis, but when there is a false Conception about the 8th month instead of the worder reaching above the navel, it is perhaps only a very little above the Os Palis. Thave been often surfinised that so great a bulk should be occasioned by so brifling a substainer). for these Moles altho often very smalwed Occasion a pretty considerable Bulk; a sometimes a great bulk is occasioned with. outsithere being any thing contained in the Homb which will make her thenk that

she is with Chilo, but it will go away suddenly & without any Evacuation, so when you find hat the bulk does not correspond with the lime you may be certain that she is not pregnant The motion of the Shill well show whether it it is a false or True Conception; but Women who have had Children are hable to mestuke here I far more those who never had any. for when the woman makes great motion the mole may be moved a little in the womber & Mureby cause a Mustake, but when the mole is moved in the Wamb, it gives the sen salion of a Dull Heavy motion whereas uf a Child it is very greich & Lively so this manes an evident Distinction, but when allowan has that bull heavy motion, she aggravate In her Imagination a shill think it the motion of a Child. The Extraction of the Moles. Never attempt any thing tell nature points out the time I nature points out the time by two ways wher the person being severed with a flood ing a Me mouth of the womb Delates or by her having Labour pains. Remedies Haire been said to have the effect of expelling the moles, which I do not think to be there a in Mududy whose Gase I related nothing

was given her; but when the mouth of the words was Delated Introduced my hand up the Nayina d Extracted it. have often seen Women who were bulky & thought themselves with bhild word great quantities of matter such as is ear hained en Reatomatous Sumors, or great quanlities of small Hydalids. which was owing to the moles being Resolved, & then the owel. ling of their Belly subsided When the mole is fixed to the Elleris . thisis of the same nature with Polypi & are to be extracted in the way mentioned before, but no Legalure can be put about them unlife the Tumor is without the mouth of the alteris. There have been many Instruments contriwed to tering away the moles, but the best one is that kind of forceps used for the extracting of the Placenta, but what is better still is the Hand, which you can intro-Fouce with as little pain to the Patient & you can take a beller hold with your hand than with any Construment. This finishes the poissederation of the Deseases of Lying in Momen & those that Women are hable to in consequence of Delivery. I shall now ponoider The

124 The Diseases of Children Before we inter on the Diseases of phildren of will be proper to show the method of Freating them when nothing Extraordinary happens Children undergo very great Changes by Dels: very; it undergoes a Change as to the Tempero. ture being formerly in a place about 96 of Farenheat des removed to a place which at most is 50. Another great Change is Res: - peration taking place. no animal respects in the Wamb blut they all respire soon after Birth in the Philosophical Fransactions you see pases of Children Conging in the Monte but I suppose this is only imaginary dimay sometimes cheep in the shell, but this may be easily accounted for In the Egg there is an air Chamber separated from the rest of the tog by a membrane & the longer that the Egg is covered by the bird the air behamber becomes larger, & by this we know whether an Egg is fresh or not for if you look thro It d find the air Chamber large you are sure that the Ego is not fresh so when the animal breaks thro the membrane et gets some air by which it can breathe for some time

Ken this way may cheep, but as every animal. must have a fresh supply of air, so when the Ber in the Chamber is mostly exhausted the Chich breaks thro the shell by degrees Wattast comes out, I an the Inceleated up there is always greatest moment to the life of the Chille for of the pores of the Egg is short up by any sub. stance as Butter, meal &g. no chick wille formet in it & if the Egg had been covered some lime of the Chech farmed if it is then quibled over with Butter the Chick will Die so you perceive that the Chief may breathern the Egg but this is not the Case with an ani: mal in the Womb, for the Vier cannot get accept to it being surrounded clops with thick membranes. It is very difficult to arecount for the Course of the first inspiration defence hnew the Gause of the first Inspiration we may easily account for its continuance or Respiration. Dr Pileairn thought that the cause of the first Insperation was awing to the Air rushing into the Lungs as into a Vacuum. but this is not the Gase for no Cier goes into the Lungs of stell born animals, in like manner when a pair of bellows is laid on a Table, no air will rush in to blow them up, but when

yourraise up one of the broads the Cur well nush in a distend them, so the same happens here, the intercostal muscles must contract which pulls the Pribs upwards & outwards, by which the ca: vely of the Thorax is enlarged & a vacuum is formed so the air rushed into the Lungs, there fore to account for the first Inspiration we mist account for the Course of the contraction of the Intercostal muscles. Morelled Doerhand Thought that it was awing to the Difficulty of the Booth that inspiration was performed, but in this way those who are lang in the Burth will breathe sooner than those who are easy in the Burth, but we find this not tobe the -Case, for those long in the Burth either never to reathe any or are very long in Breathing whereas those who are easy in the Birth break very voon. Or Whyt I others imagined that they had a propensity for Breathing for by the stry gle in the Berth the blood was propelled in greater quantity to the Lungs which stimus -latid them, & so produced the first Inspiration but this is much the same with bornelle on Boerhaau & What was said against their Opinion will answer here. Therefore we can: -not account for the Course of the first Insperation as soon as the Child is Born & Breathes no Blood goes by the Umbelical arteries, they become Ligaments & hence more Blood is confuined

127 contained in the North Descensions by which the Lower Extremities & neighbouring parts receive more tolood than formerly, no tolood goes now by the Almbebeal vein which also becomes a Signment, the banalis Arteriosus a Vernosus thiwise soon shirt up & I have observed that they are shut up in a Puppy leventy four hours after Birth, a the forumen Brale is shut up some lime after birth, I say some limes for altho it is generally shirt up in a short time after burth yet there are Instainces of persons of ten, twelve new Sixty or Seventy years of age having the foramen ovale quite open. Dr Harvey makes it a problem how happens it when a Child is in its membranes. it may remain some hours of yet be alive . but when The Child has once kneathed it cannot live aminute without being exposistothe lin? Indeed we have instances of Children after tourth if inclosed in its membranes may live several hours without Breathing as in Boerhauses Institutions, where himenhons the stony of a Homan who was Deliver ied of a Child inclosed in its membranes she Thought it was Dead & burried it; when some of her neighbours heard it they dug it up to sales by their Currosely & found the Child alive altho it had been burried five hours; but Month pufon a some others deny the last part of Dr Harvey's problem, they What amenals

428 althe they have breathed for some time yet may live when excluded from the lier, a to show this Montr. We for leed a Rritch going to preppe in such a manner that when the pleppies wer whelfed they fell among a refect feel of water, when the puppies had remained some lime among the water they were taken out ofour The alive, & after they had breathed some time if they ruere again thrown among the water a allowed to remain sometime they were found alive when taken out . o The first thing to be done when Delivered is to Clean the Child, the shin is commonly covered over with a thick onucus which adheres very closely to it, same have ima: - gined that it is the Dediment of the waters Twhich form & this mucus; the way you clean it is, of the muches is very thick & adheres very close you should need and a little Butter or Comatum which softens It I then wash the Child with mills I water or Soup & Water; it is a very common practice to wash the Gild with Spiret in order to make it less susceptible of Gold & especially they wash the head with it as they think that it forewards the Ofsification for the Spirits can be of no service here

429 inforomoting the Ofsification, a if the Child is washed with Spirits after the first wash the refoels of the shen well absorb it a so-every time it is done you are giving the Child a large Bram, which may not be the case the first time as the pores may be stoft with the muces. The next toler considered to the Cloathing). This has been much nights: Ho by Physicians being left to the Nurses & It women, but this is a wery matterial coreum stance. There are two properties which they Thould be possessed of They should be as simple as possible. 2 They should such as to heep the Child suffice: They should be as simple as possible. Formerly they Drefsed them so complexly as that it would require half an hour to dress. or undress them, which failigues the Child & hywhich they may easter cold, therefore the Semples the Drefs is somuch the better, Muy are still not simple enough in the Dress they well have half a Dozen of different Capes on the head ties separately of they could make -Them to the altogether it would be much better & the sooner for ean drefs the Flead the better Let should be the first part dressed as it is most susceptible of lois. The Shirts a waist: -coats are often too light so that it takes some

430. hunt before they can be put on a the Child may be. 2 They should be possissed of a proper degree of Warmth. Haucher hardely you entend to bring up your Children you should after burth heep them always warm with bloaths, & to heep the Childen awarm Room with light then cloathed does not do so well for immediately when the Child is taken out of the moorn it will catch cold; so Children show have thick warm Cloathing . I imagine that and of the Animals in the Starthern Glimate's would Die if Instant did not teach them to keep their young Marm & yould often observe that in Cold weather the Sheep always hes before Misams to profeel it from the Gold. I to defind thematrom The bold they have also a thick wooly bovering; But This is more remarkable in the wird him when any are to beild a nest as then they can: not stay away three or four hours to sechfood asusual, they therefore built their nests as near to a part where they can get fact as is consistent for their own safety, in or: der that they may set the longer on their Young . Likewise you observe that a den sits constantly on a Chick for Muferst eight or ten Days & if they go away from her any Time they will be delmost Dead with the Cold This is most observable if you hatch them with

with Artificial heat which I have done, I. had a small apartment lined with funs dunderit a Lamp, which hight it from 96 to 100 degrees of Frarenheit in Gemperature this may be called their bed Chamber, there was a large apartment of this which was of the same. Temperature with the almosphere & Musmay be called the Denning Room, Hound that when any of the Chucks went into the Dinning Room a could not find their way back into The hed Cheimber that in a short time found them quite motionless, a if I put them into The Bed Chamber in a short time they were as levely as ever. Likewise you find the same to be the case with young buildren they are commonly put into a Crade tel the Hurse arrives Lifthe brade is at a distance from the fine the lands is always crying but if you put it near the fire or layet beside. the mother, it is quite easy drarys none. The pretting the Child in a separate his from The Nurse is often practises for fear of her overlaying the Child, heat by troelf it cannot bretain its heat a becomes bold & Jam of Opinion that of twenty Children were laid in a ked separately of twenty to by with their Newses there will be more of the Child enen deed at a years end of Those who lay separately

432 deparately than those who lay with their hurse as the Goldwood kill the Delecate Chiloren whereas of taken proper Cerr of may become a stout Edutt. Me are infended by making for sudden transitions from heat to bols, but this must be brought about by Degrees & it well require same time for this. thusan abutt can leve in a heat of glo dalso in a Degree much below frast or 32, but Menho acquires theo by degrees. He can also live in great Variations of the atmosphere, we ean here on the Top of a hill & in the bottom of a mine of the reaght of the atmosphere in the last is rechanced to be 32000 Hweet whereas an Mr Top of a hill it may not be 16000 tot weight so there is no less than-16000 thweight a difference which is a great deal, but to expose a Chilo to these sudden Francitions would hist it. The next thing done to a Child is hurging it. It has been a Gustom to Runge new Born Children to expell the meconiuma it have been Mought that the milk that first comes into the Breasts of Momenafis Delivery is more purgative than afterward but I am inclined to believe that it is left to than afterwards, for the milk of an anemal newly Delivered has more of an animal malure Nature, for it coaquilates by heat like Serum. or the white of an Egg, & in a small degree of heat of allowed to stand some time it become of tutres Whe the white of an Egg, but after a week the melh will not coaquilate by heat, nor well become Petrio by a small degree of heat to Stagnation but will go on to the Ocetous fer. mentation; therefore the mulh after Delivery to much of an animal Nature & will not prove purgative but about a week after Delivery it is much of a Negetable nature & hence more purgatived. The reason why every animal after burth purges freely is The Intestines are full of the meconcum or thin stuff which has been collected all the time of the Oregnancy & by the Resperate. con thepressure on the abdominal Miscl: rais greater as the Pressure of the Dia: phragm & abdominal viscera, hence a purging will be induced. The reason why Purgatives is given is to carry of the me: - conium which they thinks has become dired dwell hart the Child, but this not acred. for it has remained a long time already in its Intestines & has produced no bad efect. I of purgations were necessary here Nature would make provision, fort, but we see that nature has not

434 made provision for this in other animals w the would have done had Item necessary The reason why the first much after delivery is more of an animal nature than after wa is that the Child has been all along nouris. Eld with a substance resembling the white of en tog a us a sadden transition from-This drumal liquor to a regetable may do harm to the Child, the milk therefore is more of the animal & becomes by di-- grees to be more of the vegetable nation. What shows that the Perging at this time is natural, is. that miscenes are given to purge the Child which havenot the lead effects es a purgative, thus the Syrup of Violets is commonly given which is not in the least a purgative. As soon as the Chillo has any desire for food a as soon as the mother has much the Child should be applied to the Breast; some times when they are applied they well not such being very sich & they will not be easy till they throw up & the common People sometimes grees the Chilo a little Salt among water which makes it throw up a immediately the Chilo is perfectly well, I this is not a had remidy. Choosing

Choosing a Nurse, As every Homanis not fit to be a Nurse you will be often employ ed to sechout one & thereforest is necessary to Gine some Directions about the Election of an on the first place the Noman should have our. sed before, for althou waman has the appear. ance of being a good murse, yet if the has not mur. - sed before she may prove a bad one as she may after soon perhaps the fifth or South month, Lan that account ane not like so well here, also The may be very sleepy so that when she less down in Bed she'll never awake till the mor. ning), leut a nurse should be wakerefe soas to be awaked by the least nows of the Child of Theses only to be acquired by practice. you should also enquire into the Character of The Homan as a woman may make a good nurse but may have some Drawbacks which will make it inconvenient to bring her into a Gentlemens house. A Nurse should be quite healthfull a have no Disease either herisitary or acquired es Sirophulades. a Surse should not be too young or too Bld same have limit ed it between 25 and 35 but a Wamunany time between 20 & 35 will answerwell enough for a nurse as to age. A Nurse should have exceeding good Boreasts of good

436 Supples for sometimes althoca acoman has good Breats yet her Nepples are so small that the Child well not be able to take hold of them The melt should flow easely out of the tomean I for to know this you should make her meth her preasts before you; but sometimes the mult will not come away easily & yet she. has plenty of it, but this well happen of the bhild has suched her a tillle before. . With regard to the goodness or badoness of the much this is Deficult to ascertain for there is no standard of good milk a the only way of knowing it is by The Child thiring well I we know that if a woman is able to take meal altho she labours under De-: seases yet she well have milh & the Child will thrive & In milk is hable to many Changes so that you cannot judge upon sight whether good or bad in the same person it will be some times thick & sometimes then a it wen differ in thickness at the same milking, forigion fell two glasses one after another youll find the first to be thenner than the other, at trice this on a Cow which give 8 English funts at a time, four pents were melhed in one veg - sel & the other four in another & afterstant ing till they cast up the Gream & put the bream of Mat which was melhis first, put but if she dannot take meat, there will be a searcely the of melh of what is of it will be bead, it will have a disugreeable someto of an animal nature.

it in a Churno madet into butter a I got halfan Dunes of Butter; April the Gream of that which was last milhed & got four bunces of butter from it. You see how great a Deference there is beliveen milh taken at the same how much more will The difference be when taken at different times or in Deferent persons. No Moman should have her menses when nursing but this depends much on the Constitution of the Noman & the Diet she is hipt on, for if she is of a Dethoric habit & is put on a full Diet she may have her menses, but if moderate Diet they it. never have their menses; if the menobrual flor Thould come on owing to this Course she may r that make a good murse, and is never minded in many Countries but they house an owersion to them in this Country & therefore when this happens you should bhange the Surse; but Mene are some bureum stances to be remember: ed here if the menses happen after the eight or ninth month from Delivery you are silve that Nature interior another way of Evacuation than by the Breast. so that after this the milh well be scarce dinot so good, so here of the Chilo is too young for Ataning you must change the mainse but if near the proper age it will be best to Wear it; But if a Maman should; after a few months after Delivery, you are sure that it is not owing to the last fause

138 but to the woman being of a Philhoric disposi: tion of kept on a fell Diet, she will still make a good nurse, but as the people in this Count. try have an aversion to them for your own safety you'll better advise thim to Change the Nurse for if the Child is severed with any Disease as the Scroppula ten years afterwood it will be impuled to the Child being nursed by Meit work an. I have not as yet said whether the mother or another person makes the best nurse, as amotheralways makes the best nurse, but as those among the better sort of people are not Robust & Cannot want a nights rest without being much fatigued & thereby the much will be in less quantity Les the anxiety of a nurs is never so great as that of a mother if the Child is in the least indisposed, if the mo-- ther is the Hurse the milk will be much attired; indeed there are many arguments for a against the mother nursing the Child but if the mother is very Delicate it will be best to get a Nurse, but otherwise the lest nurse is the Mother. Nurses Diet, you ought not to make too sudden a change on the Dest of the Nurse, for very often they have a low Deet before they are brought into the house , d of then put on a full diet a by having more ease as formerly

139 she would be obliged to go about her family affairs besides taking care of the Child, but now she has only the Chilled to take care of by this method she will have less milh & will not make so proper a nurse; but if she had a good Diet before she came into the house your necomatre little alteration on her Diet: but the more you keep her on a Magitable Diet the biller, for by animal food the milk is neither so good norin so great quantity; There are few animals who can live entirely on either an anemal or Negetable Diet but there are some, which by living entirely on animal or Negetable food the milk becomes quite Different! I tried this on a Bitch who can live entirely on either animalor vegetable food, when I hept her entirely on Negetables I found she had a great quantity of milk who had a good faste deolor; but when I kept her entirely on animal food, the multi was not in so great a quantity, it had a disagreeable. Taske & when I put among it a few drops of an Infusion of any of the Vegetable colors as The Galliflowers thinged it of a green colorwhich showed that it was of an alkalescent animal noture. Merefore I would heep new. ses as much as possible or vegetable food d Mose who have been accustomed to live on animal food I would take so much from them I substitute Negetables in its place of

440 It is necessary to know when a build in to enter upon the milk, but this is sometimes sooner or Later according to Gereumstances Mi Cadogan in his small Greatise on Nursing recommo the Child to be put on the Porcast but hours after Delivery, but this will not always do for net often there is no mult in the Breasts at that time & sometimes there is more for 2 th hours Ofter Delivery. Mr says that the Chill should not be put on the Breast tell the me: concum is purged of , but this sometimes one Take four or five Days & according to his rule the Child may be staried to Death. M. Levret says the Chilo should not be applied to the Areast tell the much fever wover, heatby the while suching the bruil fever welfsened decrees the third well want food for four Days whereas the longest that a Chilo should want food eiter Deliberry so therely hours; but the best rule is that as woon as the mother finds any uneasiness in her toreast the Child should be applied a this shouldbe rather earlier than later, for if later the Poreast will be distended & they cannot bear the Chilo to such How soon should a bhile be allowed other Good than the melh? . Formerly Cheldren were not allowed any other food Man the

444 Milh withthe such time as they were weared but this makes the wearing of them very diffe cult; some have recommended to give them Some other one at about the fourth or fifth month, but the sooner you begin them the better, & you may begin them about the first month or earlier if you please & by acces = toming them to the most the wearing is more easy of Ishall speak of the most proper might of greated them milk of food untill you are to Wear Mem. Now what is the most propertime for weaning them? Some have said that they should not be weared tell the 16 or 18 month & then they have Geeth, but this is too long for a Woman about 12 or 13 months after Delevery has a return of her menses & efter this they make very bad nurses, so if a brought in nurse as she will be brought to bed some times before she begins to nurse. The menses well flow when the build is about 10 or 11 months ald; so it is a good Rule to wear the Child between the g & 12 month & of you have accustomed the Chils to some food befores the Child will be easily weared. Weaning is done in two ways, either to take away the Child from the to read. all ext once or to do it by degrees the first is the best method vot to do it all at

442 once. The French when wearing Children take the Child from the Nurse & give it to another Moman to keep, but this is not so proper for at this time there are only two things that the Child has any regard for vor the milk & he Momen that geles It'd forts deprine it of both will do more harm took than when only one, the reason for them doing this was that they Mought when the Surse is out of sight the Child will be more easily useaned at the sight of her will put it in mind of the Breat but this is not the base for a bhild will be as easily weared by the nurse as any other s person. When the Chelo is weared it is custo. many to give it some medicines but these are quite unnecessary as the change of Diet is not sudden being accustomed to spaon meat already, but if the Child's stomach wond good you may give it some of the Interes of Phubart or if it has a looseness you may give it some Grabs Glaws or any absorbent, but of the Child is healthy medicines are quite unnecessary unless giving per: haps a little of the Sincture of Rhubart ona a week or fortnight? Thave as yet spoke only of Children being brought up upon Momens much lent Mure are still other methods wir to feel them wit Low much or upon spoon meating

theldren are sometimes brought up on bows milh & this is a very common practice in -Russie det is recommended by Nundermon definers in order to make the Children stout dhardy; but bows much may not agree with Then altho Momens milh will, for Womens & baus milk differency Esentially from one Enother, altho they do not sum to defer much in their Component parts, perhaps the only difference you will perceive is only the lows milh afording a little more bream than the other; but if Cows much is allowed to trend in a warm place it becomes acefrent whereas Woman's much becomes putris This shows that Womens milk is more of an animal nature than bows. Likewise Lows milh is coagulated by Prunnet where: as Womens milk is not. Thunnet is a Lequor which is found in the Stomewhill young animals & is sienced by the coats of the Stomouch, some have supposed that Prunnet is an acid, but this is not the base for I linges the regetable colours (as the fince of the july flawer) green with shows that it is rather of a Outrescent animal Nature. Some have thought that it is peculier to certain animals only as balues, but I have found it in all animals

444 Animals a even in Bunds a I found the Internal membrane of the Guzzaard did it but not thefirs stomach, we find the same peculiarity in other animals for it is only the yourth Stomach of balves which does this & none of the others; I foun this Runnit in Haves ky a Solon Geese the they live on fish. I found it also in flakes themselve. Some have thought that runnit was forme by the Milh becoming acessent in the Stomas but I found it animals who had nevertasted meat as still born Children & Calves; indee the milk en the stomache, of young animals well thechen other milk as there is a gream tity of Runnet mused with it, but by Expt I found that by infusing, the Stomach & the melh contained in It; separately in wa ter, that the infusion of the Stomach was a very considerable deal stronger than the Infusion of the milk. Merefore hunnet is not formed by the milk becoming acef: sento. Of the Vegetable hingoom Ido not know of any that has this effect but one which is the Common Archichoke which in the month of sleptember & October has purple flowers. The fince of which wil thechen milk & no other part of the plant has this effect; I thought that the flowers of the bommon Mistle as it is a species of The archichoke would also have this effect

but I found that it had not? This quality has also been ascrebed to the Galleum or Cheese Runnet, Itried it in the month of October but I found it had not this effect, but I did not know but this was owing to the hork not being in its prime, I accordingly tried In the month of July & I found that it had no such effect I The Juice of the Sorrel has also been thought to have this effect; but I found it had not; the way in which this effect has been ascribed to it is that it con: tains a great deal of acid which passets melh that does not thechen it like Thursnut The difference between acids & runnit here the auds causes an Immediate deparation of concrepible from the Serous, which is called perseting, but the Presonet Michens the whole of the milk a no separation happens for a long time after. Runnet is very preulier for of the mulh is heatred about 132° it looses the conquelable power but if 100° it will do it very readily; also of you enfuse the Negetable Runnetin warm water it will have no effect, but if in bold water, or squeeze out the juice of it umong the milk it will immisiately doct. I must how return to show the difference between bow & humain milk, bow milk is made into a passit by acids, but the human milh wonot affected in the legist,

446 by Acids either we getable or mineral a nilly the milk is boiled it will have no effect. & in Cow milh the warmer it is the dicid will act sooner on it da less quantity of it we answer the purpose, for a The spoonful of Lemon pince will perfect as much milk if warm, as two or three table spoonfulls will do when bold. Since acids do not pape set human much what is the reason that Childrens will often throw wh milk Gurdle which has been attributed to an acid on the Stomach of the Chile but this is not the Gase as have shown above, but if womens milh is allowed to stand some time in any el it will burdle. Therefore framwho Thave said Women & bandmich defer very Usentially from one another a aitho the and agree with an linemal the other may not agree with it. Nout this should be ascertained by Expt. us by taking 100 & feeding them with bow Milh & girling 100 to be nursed by Momen, in the way we wer know which is most preferable, but it can -not be properly ascertained by giving two or three Children to be treated in each way Mr Rollin gives an account of 132 being Let with Cow milk dat a yeard a half seem to be a bad method. The the

The way they do this in Rufsia is they have a horn of cover the small ind with the teat of a baw which is perforated with small holes which the Child puto in its mouth after being filled with milk, the people in Russia after the Child is accurationed sucking The horn, tee it to their Gradle & the Chilo takes it itself when it wants it; I think this method! should be treed in the foundling hospital & remedies may be given along with it so as not to allow it to have bad effects, this method would save much Expences as one woman could take care of several Children at the same lime. Children are not only brought up on Cows milk, wit also on Spoon meat? Many people have thought that it is the best method tobring Them up on spoon meat as Panada de which They thenk makes them stronger, but should be Determined by Experiment only of the Houndling Hospital has made a trial of this, they gave 136 to be fee with spoon meat den about a year 66 of them Died, & they. gave 49 to Wet Nurses & in about a year 10 of them Died, you see the Desproportion here is very great for there was about one half Lied by being fed on spoon meat whereas by being musics only 1/5 Died. This finishes the Treatment of Children

Sproceed now to their Diseases, o The Deseases of Children are more frequent domore obscure than those of adults, they are more frequent as appears from the Bills of mortality for by them we find that 1/2 of the bhildren that come into the World go out of it before the fifth year, whereas the mortally is not so great at any other time of Life; they are also more obscure, for we can learn\_ nothing from their pulse, as it is naturally every quick being 130, 140 & wen 150 in a minute so that you cannot easily count It, likewise they are so irritable that if They are in the least frelis the pulse will be raised 10 more in a minute, & you cannot get the Child to hold its arm so long as that you can number, therefore by these Gir: : cumstances you can learn nothing from the pulse; They cannot tell their Complaint Lyan can learn nothing from the Ulrine as it cannot be hefit . By these bereumstan. ces their Diseases are more obscure than in Adults. Muit a person by a constant at, tendance on them will learn more from the eye than any of the above bereumstan eyes are always Dead, a you can judge by

the great heat & difficulty of to reather, for when they are indesposed they have always a difficul. ty of Breaking so that if you was not acquain. tes with it you would think that they has an Inflammation of the Lungs. You also know their Desease by what they throw up or purge for ya Chilo has a vomiling or purging, which have a sour smel there is no doubt but it has an acidity of the Prima wie; The method Just to know whetheror not it is sour I have a small strip of paper which is nubbed over with the Juice of the Jelly flower which Idip in what the Child womens or purges & if it turns it med Sam sure Mure is an acidity of the Oremania. Limewise yourmust have the Report of the keeper who will inform you whether the Child has startings, Convul sions or the mouth sore), you should also consider if there are any Epidemics raiging as the Small Poy dep. It is of viery great consider wence to consider the Desease's of Children, for by improper bare in them if you do not hill them you may Prender them weak & Infirm Omen. The Deseases of Chilberen may bel divided into 3 I Lecidents in the burth or happining somafter. 2 Accidental Diseases as Teething and 3 The Diet most proper for Children.

450 I Deseases from accidents in the burth or soon after it. Tumors on the Head. When the Childs head is long in the Passage there are often a Tumor on the hind head, during to Mupan being briefed by the alteration of the Bones of the head & pressing against the mother here the parts have lost their Elasticity, therefore by spirets of gentle friction the purts will recover their, I and absorb the effused liquor & so the Tumor well Desuppear But there are other hunds of Tumors some times found on the heads of Children dane owing to a Blood wefsel burding, a the quantity of Ablood which is if used forms a Tumor a this happens sometimes in Tedious Sabours & when you find the shin is not Discolored, no poin to the Child upon be: ing pressed & no great Tension than you are certain that it is a Tumor owing to This Cause; now what are we to do here! The first case that I had of the tumor as I never had heard of it, being never taken notice of by authors. I oplaid it with a Samet a a cup full of pure blood came out a was stell flowing as fast as at first, then I knew the bourse, therefore

I stop it up as fast as possible & next days found it as large as before so I ordered. them to rub it gently with spirits & in a few days it tolary discippianes; Merefore it is better not to open these Tumors, for as the live will get acceps to the Blood it well makest coagulatodeause a suppuration; a the best method is to rub them with Sperits to increase the absorption & I have had several Instan: ices since that first time & by this method they went of in a few Days. Soydrocele. In Mose bases where the Whild comes down Double that by the compret. sion on the Scrotum a Hydrocele is formed but this gives off in a few. Days by the same method as above Directed, by Rubbing the parts with Spirits & I never saw a base wherein this method failed. Aractures, Somelimes in the Proturna: tural Labours by turning the Chilo some of to have are broke, if it is the humerus or Kemur you will know it by the Limb falling down & not making motion, but This will not show a fracture of the fore arm or leg as one of the bones only may be broke, but you will distinguish a fracture in a Child as easily as in an adult,

159 and as there are no sharp points & Splinters. in fractures of a Child, they well not be son painful & they will soon heal the Bones bung very soft a generally they will beheal in Tendays! The method of Cure is very simple. you adapt the broken extre milies of the bone as exactly as you can, but you nied not be very careful about this for witho the bone should rede over one another the deformity will not be perceived when they grow up, then your must dress the fraction lightly a keep the member free of motion, if it is the armyou can easily do this by pining the sleeve to the Child's Foreast, but this is more def: fecult of the Legar thigh as it must be of: tenmoved to clean it, here the while. should be placed on a high place as un Table & here the nurse can give it such or clean it without giving the Child much motion. after Praternatural Minths the Child well by sametimes without Boreathing or giving any signs of Life you'll takele bandle dexamine it as it might be dead a Week or two before & if you attempt to do any Ming to bring it to Life your will show your Ignorance, so when you

see marks of Putrescency on the Child. as The shin coming of upon being touched then you need do nothing about it. But when there is no slich marks inor. der to make it breathe you should give a Stimulus to the Lungs & for this purpose commonly entroduce a female Catheter into the Childs mouth a blow into its Lungs When this is owing to a tedrous Labour There is a plethora in the head dooms have recommended to keep the placenta in the Warms but the sooner you cut of the com. munication between the mother & Child The better a Mr Rodings found upon dysection of Mise Children Mat the Refsels of the Morain were turged with Molado & Mose in the Thorax de in the natural state it is more than probable that they are apoplietie & Menefore the letting Blood of that Child will often recover it therefore as soon as born the Umbelical cand should be cut at allowed to blied some time & then tye it in the common way; When the Child is beginning to Breathe but does it slouly the Mrow. ing cold water on the Thorax will make

154 is to reathe faster, for the cold water will be a ste mules to the Intercostal muscles & will make Them Contract which will fruit the Ribs up -wards doutwards denlarge the Thorax M that a vacuum will be formed then the lus will rush into the Lungs; this method we answer better Man applying Wolatile modicines to the nose se Gum, No author can inform what this Vor give the bouse of it; It is of two kinds the yellow of Red or they both happen often at the same times & when the Child dies & you cannot give a name it is often called The Gum as they are Ignorant of the Desease The Yellow I do not consider as a Disease but is a faundice which all new born animals have . I if the thirth of all other animals were like that of the humanwe would perceive them to be yellowish of tor Birth like a Childs, of this seems to Depend upon the Change of the Circulation in an alnborn & born anemal; whenthe fatus is an the word a small quantity of Blood circulates Maro the Liver these being a great grean ty carried from the lines of Me Vena Portarum into the Vena (a va by means of the Canalis reenosus however some bile is secreted but there

is not a great demane foret at this time as we find by Depoctions of Still born Children that the Gall Bladder is commonly full of bile & by let stagnating may become thick & stop up the Deiet. from., but after purth a great: er quantity of Blood carculates throw the Liver a consequently there is a greater of Secretion of the Wile which being bathen ento the belood again causes the yellow: nep of the Shin. There is no Deinger here it often occasions a Drowsines, but by Purging the Child frequently you will clear the Dutet'd cure it. Very often she yellowness is attended with Red permples which is called the Red Gum dehildren in the first year have often These Red pemples on them which do not deserve our notice as they occasion no uneasines to the Chilo. Aphtha or Thrush: This Disease first attacks the mouth of the brels, it is not a modern Disease but was known to the anciento, Heppocrates inhis 24 aphor. says the mouths of Children area subject to alleers; they are not alleers but the mouth looks as if the Child heiseaking burds & sume of Mi grains of Them eithe = ming to the mouth; but by his discription

it appears to be the same Desease. This Di: - sease is not confined to the mouth, but af: - feeto the Asophagus, Stomach & the whole Fruit of the Alementary banal. This Discour woof two kinds: One which is confined to young Childrens which I am going to speak of I one which is confined to grown up per: -sons a uppears at the end of Chronic De-- Deares. No author has ever treated this Disease properly there is a Dutch man who has treated of this but then it is when it happens in grown up persons & has taken no notice of it in children. He deficult to assign a bourse for this Descase some have Mought that it is owing to the food which they get at this time vor while turning acepsint on their Stomachs buil of this was the cases they would be as liable to this Desease the whole time of mursing as on the first month which is not the case as themilh will become as much acefort Then as on the first month. again others have Mought that it is owing to the lin persong into the mouth & occasioning an obstruction of the mucous Duck of The mouth & in confermation of this Yan

Sweeton says What when he was in Holland he saw this Disease often but when he redided in Vienna he selsom saw it & therefore Mought That this Discuse was owing to a moist Damp air which atistructes the mucous -Duch as the Our in Holland is moist a damp but when hi stayed in Vienna he had not-The apportunities of seeing Diseases as when in Holland, a we find this Desease in Dry as well as moist lier, for we find it in warm Elementes as it was known to Sleppoerates & Shave observed that it rages as much in The Summer as Minter. Merefore Mes would not seem to be the Sauce of the Desease, and what it is I cannot say. This is seldom a Dungerous Disease unless it covers he whole of the mouth; in al my practice Inever saw any more Mantivo Delof this Desease done of these was mine months old; it sometimes prevents the held from suching & in this case is Dangerous but when it does not interrupt the Sucking tis not Dangerous. The Buralion of this Desease is uncertain but it commonly memains sex or eight Days & then shells of like the Small Pox. In this Disease Miere is a sharfiness of the Liquors of Micmouth which.

which occasions Oned pemples on the boreal of the Nurse as in the small Pox, when a Child is severed with the small Pox altho the Nurse has had the Small Pax before yet by the Child sucking some pustiles appear on the Breast. Gure This is done by any thing that will Dry it I make it shell of soon will cure this Disease, for this reason all Emolier are huntful as they encourage the spoed in of it; but give any astringent or Drying but. Shanew as Crabo Eyes in a little Syrup, for If you give it in a Dry prowder it may cause Convulsions a Junie saw an instance of the the Child had this Disease & gave it some brubs eyes behich immediately produced. Convulsions but when I didded some Lequel that no such effect. This Desease when de ever is aft to turn Gangrenous a thenit should be treated like the Confluent I mad Pox to give bark in a liquid form frequent : by to wash its mouth a if it should swallow it so much the better & you know this to be the base when the Soilerstices between the Spots is of a Livid bolor; When the lepts: - Tho is sprouding fast a smell khisterto The Shoulders may be of service, but here

you should put a piece of Lawn between the holis. For athe shin of you should not allow it to remain so long as upon an adult, I by not at: tending to this I have after seen a Gangrene produced. of the Descuse is mild by washing the mouth with astringents as mel Rose, purits awater, blanet, Lemon juce & Sugar The Disease will go of. Sometimes bhild ren are born with some Proternatural parts, sometimes they have an Additional number of Parts as Taes Yengers dit is remarkable that when there to an additional number of fingers there is The same of the Joes. The additional too or Junger is commonly connected to Mitelle toe or finger by a fleshy substance of the Jaoner you take it away the better, for if you refer till the Chilo is older. This part will grow in preportion to the body of the Blood vefoils will enercase; Muferst case that I had of this I put a silk thread around The roat & it dropped off in ten days, but This is not so good, for it gives great pain to the Child all Mat time a also it does not take it away so close but that a small stump remains, therefore the best ways with the thrife dyou need not be affraid of any

460 uny homorrhage as the vefsels are so small a by dressing but with a lattle dry lint it will be heal in a few Days. Sometimes exercísincies grow on defero parts of the Body, they should be cut off It Sooner Mubitter; Jones met with a large exercipence on the Peronoum of a Child w I immediately cut of a the oply thing to be allended to here was to treep the wound free of the Urine which fret it a make it fester Flong in healing, for to obvicate this apple a paultice to it which would make it supp -rate gently & above the poultice thick cloth to absorb the alrine & bey this method it we head inten or twelve Days. Tome people are for delaying this until the Child is fun : ther advanced in years, but it will be most difficult to do then as the Exerefrence & con - sequently the blood vefuls will be enerald Tometimes Guldrenare Born with part Imperfect as the Imperforated Rectum. This may be of tues hinds, the Pretim es imperforate & do not know where it should terminates, & sometimes et is imperforate & you can perceive where it should terminate. This is Dangerous but when there is a commu. : meation between the Reclim & MedderThey may here with this Delit some years but when this is not the base they always die withen nine Days. Me must here eno deavour to make an opening to the Prictum of for this you make an Incision with an common Scalpel where the Rectum should terminate a thin take a common Luncet druin it up until you see the meconium but often you will never find it as the hee: tum is wanting a when you cannot find The Rectum with the Luncet you may give over hopes of succeeding; I have now seen Leven Children in this way & Inever succeed. is in any of them, but this is not to say that we should not attempt it, for sometimes the Rectum is only wearting for an Inch & here we may succeed. Month Felit in the memoirs of the headeny of Sur geny recommends the use of a Grocar for perforating the Creetum, but Mes is a bas Instrument, for it requires great force to introduce it, Thus we see what forest requires to pierce the abdominin an ascites where the tequiments are stretched with the water how much more force will it require to pierce a part which is not tense & will speels to the force; there fore I thenk a Lancit a better Instrument

462 I with it you can reach far enough a if no Anconium comes away when you have gon up the whole length of the Lancet you may de pair of succes; There are instances of Children living some time in this way & I had an Instance of one living Six Week but in these Cases the Rection terminate in the Moladder, Hyun look the mimours of the academy of Sciences you'll one a fare of a phild living two years with this im: - herfection, the Rection terminated in the Poladder dat Mitermenation there was Some thing like a value which allowed the faces to go ento the bladder but hindered any Ming in the toladder from entering the Richem, best by the Child swallowing to Cher. every stone wireould not enter the bolader d'thereby obstructed the passage it Dies. There are also instances of the Urenary passage being imperforate, but I never yet bow an Instance of this but that it may happen is very probable, I here we must make an opening with a duncet into The Meatus Uninances. As Children are born with additional or imperfect thark we should therefore examine every thele carefully after Berth.

Greery Child is born with the faculty it Inclinate. on the such but this may be impeded by various bauses but it is generally imputed to them being Tonguel Tack to e: e: the frenum inthe of wing fixed at a lettle distance from Mupoint is fixed to the point a prevents the free motion of it. Authors generally recommend to cut. it as the Children at this time can be heft peaceable & have commonly their mouth open Munely can be easily done dif neglected tell the fourth or fifth month it is more def: ficult as the Child is not so easely managed & of it is not done it is thought that it will hinder Speech; but this is not the base for Thave seen persons who were Jonque Jackt speak as well as any other person; so ithe bhild cannot speak well & es Jonque Jacker This must be owing to some other bause. Suction may be impeded by a multiplicity of pauses & is not confined to being tongen Jacked as some have imagined. It is some: times owing to the wrong situation of the tonque, by it being too lose to the palate, so That when the nipple is put into the Childs mouth it goes ainder the Jonque so that it cannot such of Mis is remedeed by traking a Teaspoon of press down the Fongue of This

464 put the neppie into the Childs mouth above the Tonque a you need not do this above twice or Manice when the while will doit exit Monto Detit who has wrote a Treation on the Tonque Jack to says that it is sometimes dan: - gerous to cut the frenum as it may be so and loosened as to be invented a sufficate the Chill a Phis is a method used by Nigroes when they hewe a Bod master. Muy ent their fremum I swallow their tongue & Merely suffocto Themselves; ling pour of Sussans which can cut at the point & are also blunt at they points will cut the fremum with satety I always use a pour of small despoirs whose points are covered with a piece of mital Thereby there is no danger of wound any of the reefsels of the Jonque. Unother bouse of improced Suction is . that altho every Child is born with the family of suching yet sometimes it is not as ready as it should, yet bey a few trials it will such very well. Unother Cause is the Igororano of the nurse, when she has large Breach a when the Child has taken hold of the rip - ple the Breast of the Woman prepes on The nose of the Child so that it cannot breathed Merefore it cannot such, but of

The women should press in that part of her Breatmuhich is before the Child's hose og as to allow it to breather the Child will such very well. another Cause is a Distortion of the Tongue; it sometimes happens that in The Oralernatural Labours when the body is born we are obliged to put our fingerinto The Child's mouth to Extract The head, which may heart the Sow in such a manner as to make it such with defeculty at first; but by some trials it will come to such very well. Another Course is a Disease Mat I have mentioned before out the Aphtha. To you see that the Tonque being tacked is not so often the Cause of Impedes Suce tion as is imagined & where it happoens once from this bause at happens twenty times from other bauses. After the Ambedical boro of Chilo. eren is cut d hes you wrap it up in a piece of Lennen & Then from five to eight days it drops of close to the Body & then apply a piece of Linged Linners to it, sometimes it does not heal in four teen days after this I then it is always Whereated & Excoreated the only way to effect a bure is to keep the

part clean a wash the Ulerated part with astringents as Line Water, Spirits & I have sometimes seen Hades Balsam of great service here & by this method you will cure it in two or three Weeks; tout when it does not allerate it generally is heal in two or three Days after the Gard drops of. Tometimes the this is head yet the Ring is not from I thereby the Intestiner may come out at the ring & form an Umbelical Hernia, this may be cured by pulling a bandage about its Belly but when the Child orys much it will fore out the Intestine & a greater resistence to the pant is necessary a for this I commonly take a piece of white Iron about the some of a brown piece which is made concave on one side & con : vexen the other, it is perforated with holes to the concave side is stuffed with wool a then covered all over with Linnen this is put over the Howel dover it is put a Mandage so broad as to take in the whole Belly of the Child, for when narrow it will slip up or down but when broad in this way it will remain in The same way as put about & I never saw a bure fail in this way. The Trufses that are mude for the purpose are all too hard so that they will Gal the Catient being made of hard Leather a the Bandage is too narrow so that

it will slep up or Down . The same Distemper happens to Gengen Homen in consequence of a Defecult Labour & Thus an instance of one not long ago where the Intestino which protruded was as large as both my fists I treated her in the same way as mintioned but the piece of white Iron was larger than the pain of my hund & the Houndage in Musame manner as before took in the whole of her-Bely, by this method she was buried in a short time. There is an appearance of the Navel which on may take for an Umbelical Herrice win The skin there being very loose & Cur contained in it dy you presont with your finger & thirms it will Desuppear. This cannot be cured in the same way with the Umbelical Herria, for the prepure will do no service. I once tried to were This by tying a thread round it a inten or twelve Days it Droped off, but it occasioned great pointo the Chilo activas influence al around it I was some time of healing after it Droped of but it had the Descred effect for it carried it of but a better way would be to cut it of by the knife, but it wonot matterial whe -- Thery ou do any thing or not as it is not troublesome & always continues the same

Sometimes when the Umbelical Good drops too soon of ambelical Hamorrhages happen Gould find this mentioned in Different Authors but Inever had oceasion to see it myself. It so a Doubt whether the tolood here flows from the Arteries or the Vein as it runs out not per sal fem, but in a continued equal stream. You cannot stop the Hamornhage here in the con mon way, there is no room for to make a leg ture as you did before, I by using a needled thread you may take in the Peritoneum & to thread at any rate will irretale & inflame the part of at least produce Suppurations; there fore in this case I think the most properme - Thos will be the actual Contered, with well stop it with less Danger than any other method. Almo the Testes come down commonly befor Burth yet sometimes it happens that on of them does not go down till after borth & when it pof = ses doebn't may be taken for a Rupture, but the Distinction between them is a Ruplure come Lyves den the Horrosontal posture it desap: pears which this does not, & a Rupture is mor Bulky, but above all it it known by examen ing the Serotion if there is only one Testiclifett there you are dure that it is the other coming down & here nothing is to be done . When

471 When the restes are come down into. the Scrotum the Tunica Vaginalis is shut up, but when it, slowly shut up of the Child crys much the Intestine is pushed ento it & is then in contact with the Body of the Gestiele & this is the Congenial Hir: = nia which is Described by Mrgot & This spices of Inguinal Hernice is very fre--quent to young Children of the Male hind. Thave already distinguished this Disease from one of the Festiles coming down dit may be Distinguished from Hydrocele Lall other Tumors of the Gestes, from the swelling here beginning at the ring of Vin muscles & from its Disappearing when the Child is put in the horrosontal posture. you should scarcely apply any thing at all here when the Child is we -- my young for it is impossible that the Bandages can be hept (lean & besides they are aft to gal them & you are sure to lure it when they are a little older. You should end ecourto prevent them from enging a keep them much en the Horesontal posture & may apply clotho depped in Spirits.

The shin of Children is very Tender & is thereby hable to excorrations. Erysepelas tother Inflammations. The principal thing tole done here is to keep the Chilo clean a to dust the Execut: ated part or Eryschelatous part over with flower or White Lead to absorb the matter, but some: times the flower or White lead by the matter being mixed with it will become very hard with hirt the patient which is prevented if it is only Dusted very thinly. I shall mention The Venereal Disease as it appears are -ry deferently in the Chilo from the Aoult & altro you are accuistomed to the Desease in Would you will not know it in Children X alho it is known you will be at a lofs how to buriet; When the Child is born there is no bloatch nor any thing to be seen on it, that can make you suspect that it has the Venereal & when quein to a Nurse in eight or ten Lays Symptoms of it will ap: pear & in this way the Infection is often imputed to the Neurse when she is entirely Innocent. By looking into Authors you cannot know this Disease a altho you know altho the Parents have had the Denereal Disease of the Child infected by them aget

The Disease does not make its appearance tel about fourteen Days after Horth, then it appears with Exercises on the Perinoum & parts of Generation, often there is an Eruption on the face & particularly the or forehead which resembles the Confluent Small Pox, Whewise their mouth is often affected & then they have a hoursenifs with Shows evidently to be Menereal copierally of there is likewise Eruptions about the Reclim & parts of Generation, These also go over the whole Mody very often: dathas a great resemblance to the Survey so that you cannot Distinguish between them um less you know whether or not the Parent or Hurse have had the Venereal Disease buit you need not care much whether you can Distinguish them or not us the Cure is perfectly the same, but generally of the Disease at first is confined to the Lower Ex: tremities & parts of Generation it is the. Venereal dif the apper parts it is the Seurcy, I do not want to say that the Scurvy is confined to the repper parts at first for it may appear first in the lower Extremities, but generally it is not the lase

The Child may receive the Infection in two ways either from the Parents or the -Nurse; if you are suspecious of the Nurs you should enquire about her Child of it had any such trustion it if dead enquere into what Condition it was before it Died & by this way you may know if it has received the inter: tion from the Alerse. but more frequently the Chilo receives the Infection from the Pa: - rents & sometimes it may receive the infiction from the Father & the Mother grieve ree of it; the first Gase I had of this the Chill & Father had evidently the Venereal . The great was free of it & the Mother toto me Mat she was also free of it but I had not an ophor. tunity of Examining her, but I mit with Similar Cases afterwards where I had oppor tunities of examining the Mother & she had nothing of the Vinereal Gould often find yourself so situated that you cannot en: - quires of the Parents whether they have the Vinereal or not so you will be obliged to attempt a Gure on suspecion Gure. If the Mother has had the Kinered Disease during Origonancy altho' she has got a sufficient glantity of mercury you amust not brust to that for altho'she seems

to be perfectly well get in fourteen Days the Child will have the appearance of it, a the mother may not yet be clear of it altho she may have no Symptoms of it, so when you are suspicious you should not allow the Emother to nurse The Child beit put it on a blean Moman, forif an Inferted mother is the Nurse the Chilo Often Dies but of put on a blean Woman you may soon conquer the Disease. o One method used is to give the Nurse & but you must conceal of from her a of it should touch her mouth, which it will do if she takes any quantity of it then she will have a suspicion of the medicine she Uses to of the Disease of the Child which will make her give up the Child therefore this method is not so convenient; but after all I doubt much of the Child can be cured by giving the Nurse & for I found by expli that the Milk of a Woman taking & is not impregnated with, for by pulling D, O dother M. Samong some of the much allowing it to remain some hours there was no alteration In their Color & if it had been impregnated wit I Mi & would have received a Dark color by but perhaps I did not suffer the mitals to remain long enough among the milk purhaps I should have allowed them to remain 24

hours, I am not sure how many hours I allowed them to remain but I am surest. was not 2.4 hours, but it was long enough to determine that the melh was not much impregnated. How then happens it that Children are cured of this Disease by giving the Nurse & since the much is not impreg. : mated with it? The receson is this a great quantity of the & goes of by the Skin & thereby she has a mercurial Atmosphere around her dif you place a D watch near her. it will be soon changed to a black ish colorthey the Child lying always with in the merce. = real Atmosphere a great deal is received by the Child & so may Gure it? Valso tried the rubbing in the & Buntment but as this method is uncertain in adults it is no less so in Children: Nout the best way that I found was to give a grain of balomel with a little sugar once in the Twenty four hours but you should take care that the sheld gets it all a as it must be given with some Signed the Calomel will fall to the Bottom Therefore you should not trust this to the nurse but see it done yourself a you'll find that by sex or Seven Doses, the Symptoms that by sex or viven some in would seem will be greatly abased. It would seem strange

strange that & does not affect the mouths of Shelloren as it does in Abults a this I imagine is owing to Children being hefit booled & hav. ing duays an Open Welly. Inever yet saw a Child have a Salivation altho Shave given it great quantities of moreuny, I have sun Convulsion fits produced by giving a grain of Calomel every 18 hours & the only cure to to intermit the Calomel for two or three Days, but I have seen larger Doses as two grains in the Day produce nother Salivation nor Convulsions. The Childha. ung an Open prelly prevents a salivation as it is prevented from going to the Sale: wany Glands by being carried off by the Intestines. Mut the bool lier has a great efect in preventing, a Salwation as I not long ago failne en a Lady, she for some Complaint was ordered & it wasin The Minter Season, she used great quanti: ties dwent about the house in her usual way drit no Salivation was produced & was freed of her Compleient; some times afterwards (being the Summer) she used Lugain & Then she heft herself warm by a fire & a very small quantity produces

aviolent Salwation. We also see enstance of this in the Inventation for the Small Dox in the Preparation some get a good quan tity of & yet by the cool Regimen they are put on no Salivation happens. When the Symptoms Desappear it is proper stell to continue the use of & & the method I commonly use is I give a dozen of Goses of balomel one of them is to be given every day untill six are exhausted & by this time all the symptoms commonly descipped & Men instead of giving a Dose every Day yould give only a Date once in the two days or selsomer until the remainder are used. I by this time the Child will be completely lured, if not give a few more Doses . \_\_ This method is preferable to all others as it makes a more complete & speedy lun Than any other & busides you may five the Cheld in this way without giving any suspi-: cion to the Nurse, which would make her give rep the Child. As the Small Pox sometimes attack Children when young I shall therefore Show the lideantages of Disadvantages of Imoculating when young I give some , Directions about Inoculation. Inoculation

Inoculation of the Small Pox. We scarcely knew any thing of it till the End of the last bentury; the bereasians wave the first who practised it by subbing the hands of the persons whom they wanted to be severed with that Desease with the variolous matter. In the year 1678 a Gracian Woman of Constantinople inoculated a great many by visiting the malter in them a by the year 1710 she had inoculated upwards of 6000 persons. This was not known in Britain tel the year 1713 at that time a Surgeon came into terretounfrom Constantinople brought over the method & the Modelish Amberfolder at that bourt had? his Son inoculated there who came home that agear a made Bublich the method; In the year 1721 The Physicians of London applied to Hes Magisty to have dix Malefactors to try The Inoculation which was agreed to, five of which had them very mile & one of them had it not & there was a suspicion that he had the Small Pox before & since Mattime it has become General over Moritain Toy the Inoculation we reap five Dy:
-ferent aswantages wh I shall bansider of

I The Choice of matter. 2 The lige of the Palient? 3 The Preparation. A The mode of Inoculation and 5 The Greatment in the Encipture fever. 1 The phoice of the Matter, Ceople have look on this as a great advantage by takenathe matter fram small Pox of a good kind dimus avoid haking maller from Mad Small Pox d from Mose persons who have other banto grows Diseases along with Mem. Mut not so much depends on the matter as is imagine for Dr inoculated 21 Persons from a Confluent Small Pay & they all had them very favorably a none of Mim Deed, so that it would seem that more depends on the habit of body than on the matter. -Deophe are likewise afraid of communi: -caling other Diseases along with the Small Pay, hist there are few Diseases that ean be communicated by inoculation like the Small Pox, indeed Towardy think there are any, for we have Instornees of the matter being taken from those who had also the Venereal Disease, also the Itch get the es & I doubt very much of the measles

4.81 being communicated in this way, for I\_ trees to inoculate the measles on nine shills ren & Flreed on Mem the Different one Thods of doing I leut none of them succeed. ed but one & that bhild had been staying in the Infermary where that Disease was raging at that time & had them no milder Than common & what made me Munks that he had not been inoculated was that the Incision in his arm ded not inflame as it always does in the Small Pay but heales up entirely ena Day or two; the deferent ways of Inoculation I tried were, I inocu lated some of them with the Poloot taken in the Eruptive fever, a I scratched the purhules when at the height I took the Blood & enoculated the nest with it. -But he this as it will you should not men any risk as you can get good unexceptronable matter very easily. The way of preserving the matter. This is done in various ways, but what is often used to heeping it on the point of a Lancet & may be hight this way a long time. Mr Cot was the first who discovered this way which was by accident, he had been opening was by accident, with a dancet which he had,

had not well clean a a few days after tols a Lady with the same Lancet who was in the common time seesed with the small Port 2 The Age. This is very matterial, for if we exule insculate with as great safety or The third month as the third year it would be a great Improvement for as we cannot indulate from the time of Teething to the Mird year in Copulais Cities they may happen to be infected unless done before -They begin to cut teeth & those who are in such parts who are at a distance from Asistance it would be better of they were Inoculated when young before Dentition I shall show the advantages & desar? -vantages of inoculating Children before Dintition & forst the Advantages In advantage is that they are of a better habit of Body & they resist the infection more Man when older what shows thes is that I have Inoculated several Children in the Lying in Mard of eight days old but never and of them had the Small Day, & I Merefore Munh Mat They orisist The infection more than afterwards & perhaps this may make them more favorable than afterwards. Is ay anly purhaps

483 hertapo en ammot sure. Lnother evovantage is that they are easily booled or heaved, a your heep them on one Diet, they have no fear & they do not give over suching. Another advantage is that alho they have a number yet by them being so young the pustules do not make any Impression on them & altho persons may escape them withthe they be above twenty, wet they may be severed with them & then the pustiles will leave great Tompressions Objections against so early a period are They cannot the their Complaints but this is not matterial for their is not a Disease That the Body is incident to that we can manage so well without the Valuent de Lairing any thing as the Small Pox & it mostly defrends on you seeing the Pate. ent. another objection is the time of Teething may interfere, but then you can do it before that times, but this is uncertain they some = times come out between the 4 x 5 month but for one whose teeth cut at this time 500 cut their teeth much later & some are 10 or 12. months old before they begin to cut their Teeth, but besides the first teeth that are cut are not painfull & althothey should cut their first teeth when they have the small Pax no

48.A Danger well follow that Circumstance, Merefore you may Inoculate the Chili about the fourth or fifth month. Inother advantage is that in case the Childs more is stopet, it cannot such I thereby must starce, but the only prepa: : ration necessary for the Inoculation of Chil: -dren is to learns them to take some miat & to Drenk & if it should happen that its nose is stopt so that it cannot such then you can feed it but this very rarely happens. The Child sometimes will not such for 24 hours dyet to Nose is not stopt but this is owing to its being such & taken a dislike to Mumila but in about 24 hours it will such again. Another Objection is that Convulsions are more frequent & more Del when young than afterwards. It is true that Convelsions are more frequent at this time then afterwards but then they are not so mortal mor allend. ed with so bad convequencies as afterwards I very few of them die by them alone, We do see the same in adults that those who are accustomed to Convulsions from any louse that they are not so fatal in them as in those who are not accustomed to them. With negard to the mortality It is true that more die when inventated so young than the Abults, but then their Descases

485 are more frequent than those of abutts so that Think that the mortelity on Children being greater then in adults is owing to the actielental Diseases allaching the Child at the same time with the Small Pox. Upon the o whole when they are at a Destance from afsistance or in Large Towns it will be abres. cable to inaccidate the Chili when young i 3° Preparation, Every Body who makes a great Secret of Inoculation lay a great stresson the Oreparation. We received a great many use. full things concerning Insculation from the Peremans who first practised it, they heft them from Animal Laoo, fish & much for a month before they inoculated them; but in England they are not so strick, the time of Preparation lash only Lourleen Days & then they allow them milh Then they get some medicine which is different by Defferent persons but they are all mercuri. also get a date of Physic after it; what has been often used a much extolled is the following Atteration pourser 3x Ginnel 3x Magned all 3III museanteir probe Of which of XIV is a Dose for a grown up person Some use Gray powder who much the same of balomel 3 m x 31

Magnes alb 3 m Otheop min . DI an g'x is a Dose They

They get a Dose of this which is reflected three times of then they get a Dose of Physic as Salts: In what is sometimes alsed is the le Ag. font. Bullent. H. II m Sum. p.v. d before the Inoculation they commonly get a Dose of Thermes Pell which is Of Thermes Meneral 3X Alve Succotrin. 3II fo Camphor. 31 Syr. Carcophylor. go. Honafs. Pd. Sen grains of which is a Dose for an abut. Every Country has a Defferent method of preparation a there is no general Rule for Deferent Constitutions require different Infourations. A The method of Applying the matters Any way by which you can apply the most ter to the Absorbints will answer, but the Common way is to have a little maller on the point of the Lancet & to make a slight seratch 5 The treatment of the Eruplive fever. The Treatment now is different from what it was formerly, if the Symptoms were violent I the Imale Pox not coming out well they were affraid to Bleed as they thought that it would retard the cruption, but we find when the fever is high that whatever.

Demenishes it promotes the Eresplion & so bleeding by lefsening the fever will promote the Exception. The change of the treatment from Heat to bold is one of the greatest improvements made in the Freatment of the Small Pox & we re: ceived this from the East Indies; Sydenham was The first who used the cold Alegemen in this bountry dall his bondemporaries were against it as they thought that heat is necessary to force out the Exultion, but when the fever is high what de: mineshes it promotes the Erufition which Gold does, but there happened a wroumstance at that time which decided it in Sydenhams favors for in the year 1631 there happined a great Ine in London & many people who had the -Small Pox were obliged out in a bold night Anone received any harm from it & some rather reapid eidvantage from it however Sydenham did not push theo so far as it is done now. It would seem that a moderate degree of Gold not only promotes the Exception but to prevent our hamours being assimila. Too to the Narcolous matter; as by it the Errep. tion is not so great, a bold is not only up. Theed externally but Internally by giving Gold Drink. Unother comprovement in the Small Pox is Ourging, when there is uppear. : ance of a number & of a bad hind purging

488 does service & does not retard the cruption as some have thought I are of advantage when near the height, When the matter is pent up by crush forming on the stren they should be open tec but this Cometimes brings on an Inflam. : mation on the Shin which may be troublesom in this Case Blisters & Purgatives with carry of the Variolous matter. Every one knows that the advantages of Inoculation over the natural way one very great: If you compare the Deaths in different years the difference is great in the year 1719 When there was non Insculated in Moritain no lofo than 3229 died of the small Pox & in The year 1753 when Inoculation was establish ted only 774 Died so there is no les Man 2 A55 a Deference, but this is not a fair way of Calculation as the Small Pox may be Gridemie In one year & not in another but we should compaine Pregisters of Mose Matare Inous: lated with Mose that take them in the natu. : ral way; Kwe find that in the year 1763 when Inoculation was established as much as now that 3582 died that year which is 353 more than that Died in the year 1719 however nobody doubts but that fewer dee by Inoculation Man in the natural ways But the question comes to this Whether does more people die of the small Pox since Inoculation Inocutation was introduced, or before it was used? This makes the devench so hackward to Inocu; - lation until this question is Secided. Mul I Think it is evident that more people die now than formerly; for formerly it only raged once in the five or Six years a by that great numbers escaped them but since the Inow: lation has been introduced the Infection is never absent a theneby none escapes them Therefore altho Inoculation is better for in: dividuals yet it is worse for the people in generals. \_ -2° Dentition, Children are generally borrowthout any teeth altho May are lodged in their Sochets & make Their appearance afterwards in about a few months, I say generally for some are borner with Teeth, but there soon fall out I are fre judicial both to the Chilo, & nurse & there. fore should be drawn. If you examine the Law of a Chile you'll find the Rudements of a second set of teeth: The Iceth are lined over with a membrane where there are a great many Nenues interspersed hence the great pairs in cutting the Seeth & the violent symp: toms occasioned thereby. The Teeth are different from any other part of the body The part most analogous to them es the homes

but they defer from them, they are firmer than the Bones & have no blowd wifsels like them for altho blood wefsels go to the roots & sockets yet none go to the Teeth a by D' Hunters Expts by feeding a Pig with midder the bones were tin: -ged with It but not the Teeth -The time that Children begin to cut their Jeeth rouncertain but it commonly happens be: tween the 5 & the 8 month but youll find in: - shances of it being 12 may 16 months before they begin to cut their Deeth, but the common time is between the 5 & 8 month; the first teeth that cut are very easy as they are sharp & narrow Lare called the Incisores in the Lower Saw after them sommonly comes the first of the molares but sometime The Canini come before them & come out in this way till when the Child is about two years of age it has 16 Teeth, Mut these teeth do not last long for about the borg year they fall will a then they get another set. What are the Creasons that there should be a second set! Narious are the Preasons quentry authors but I think they may be breduced to these Two. 1 The first set are generally very weak I are not capable of Destroying hard products wents necessary to be done afterwards 2. The Saw increases & the Feeth do not grow braader & hence if they were to continue there would be large vacancies between the Leeth Thus you'll observe when Chilbren are casting their Geeth that there are vacanices between them. He generally imagined that it was the second set that forced out the first, but this is not the base as appears from what Dr Hunter has afterfed that the second set have not the same sockets with the first but are quite separate & the reason of the first set falling out is that the second takes all the nourishment from them which makes them loosen & fall out due see that when a tooth of the first set cames out we cannot perceive The one that comes in its place which would be the Case if the first was forced out by the second. It was thought that the first set\_ Sometimes occasioned the second to come ir= regularly out but by Dr Hunters afsertion no such thing can happen as they have differ. very Deferent of ten Deferent Chel: know nothing of it until they appear a at other times they suffer a great deal from the Teething, but the sharper & smaller the teeth

is so much the easier to the Child hince the Incisores are always easy. But in general when Childreneire cutting their teeth they all have an Itching of the mouth a forcing away of the Saleva this is known by them always pulling their fingers or any hard substance ento their mouth a when near the cutting they have feverish fets, Looseness, vonatting of pur. ging & Convulsions which are occasioned by the tooth pressing against the membran which covers it or that which lines the soi: thets for these membranes have a great many Nirves & Mr nerves of Children are more sensible than afterwards dare larger in proportion to their Bulk Man at any after period & their Marain also winlarger proportion for the head of a new Bown shill is about 14 of its bulk whereas the head of un Abult is about 18 of its Bulk: das the nerves of Children are more senseble They are more invitable thus leve see the least noise will make them start d of a little wine is given them it will affect their ner. wes with a painful sherp sensation that They will have a Distaste to it afterwards so since the never of bhildren are so sen:
-sible of framped no wonder than these Sympton

493 Symptoms may be produced. The Leeth coming out Imagularly often cause violent Symptoms dwhen you inspect the mouth you'll see no Couse for it; what In mean by Inregular is, suppose it huppens in the Incisores which are four in number in one I aw & the first of the third to come out, after they have grown any length they will incline to each other a almost come in Contact; in the same way as we see when a Tooth is extructed there will be a great va. cancy but in a year afterwards the space will not be so great awing to the two teeth inclining to each other; if when the first & there have almost come in contact the second endeavour to come out, then it has not room to go straight up nor back : wards nor forwards as it is too far advan. eed for that a thereby recolent Symptoms may be produced without you seeing any thing to occasion it? The Methods of Freatment of Geething You can do very tittle here unlifs in cases where the Gums are swelled a Inflammed owing to the teeth pressing against Mim In cases of much fever a little blood may be taken; when the Gum is swelled some have recommended to make applications to the Gum in order to facilitate the coming out of the Tooth buil there are of no alse, for any thing that es put ento a Chilos mouth is swallowed or spilled out at once, some have ful Bely medicines on the Gum to Relax it; but it is swallowed or spilled out immedi: -asely & if swallowed will enere are the looseness which they have at this time but the Valera is the only thing for relaxing the Gum, some have appleed formentations of Poullices to the face of the Child, but these are reselessin so young an Infant & meanuement as they must be taken of xap. - filed every little while when the Child wants to such; They have commonly at this time a Comiting & Loose Belly which is occasioned by the Child suching too much in order to fre went the itching of the mouth of abate the therst. It sometimes happens that some other accidental Desease may accompany Distition Luccasion a more veolent flever, In order to facilitate Dentition bulling of the Gum has been used: Amberoise Paney was the first who used it a found it of servin in particular bases as when the Gumwas swelled & Inflamed a the Tooth nigh at hand but when there were no marks of the took being nigh he says it is useless. Many eny out against cutting the Gum as they say, by it the tooth soon falls out & unlife

495 the tooth is night it will heal & form an eschar which will cause greater pain when it cuts It dit makes the Seeth Inregular. Is to the Tooth falling sooner out the does not sig. nify as it is supplied by another, but I imagine that it is not the case & when the Gums are swelles x inflamed you take of the Territor from the news & Poloosuefeels & thereby ease the pain, by blooding & more especially when you take it from the defsels of the part affected as is done here by cutting the Gum. As to the Eschar it does not happen here for an Eschar depends on the taughness of the shin the quantity of fat & the deepness of the wound, but the gum the shin is then a tender no fat a the wound is no more than the shin I thereby no Eschar ean be formed a in confer. mation of this there are many instances of the Gum being ket & healed sometime a thin the tooth coming out without giving the patient any uneasiness. If the violent symptoms of Dentition is owing to the Leeth coming out orre: -gularly as I have mentioned before you can: not give any relief unless you extract one of the teeth which is at its side & you'll know this to be the case when the 3 Incesores are come out Lanother to come out between 2 of them a the Symptoms veolent you should then extract one at its side to allow it to come out

out a Man the pertient will have immediate relief There are a variety of Medicines used here to facilitate Dentition which can have no effect. the Reason of them being used is that it is not one in Twenty that is bad in Geething & if any of these who are not bad wears ainanodyne Necklace then the praise is given 3 Delle and the Deseases that arese from an Improper Diet. The Organs of Digestion are more Delicate in the Niveparous than the Oveparous Uni: mals for what they can break with their Will their Homachowill Digest, but such is the state of young vereparous animals that they should have such food only as requires little Exertion of the Digistive argans & Nature has provided such food for them our the milk of the mother & what nature has intended for them must surely be tetter Man anyother hend of food - hence human milk is better fitted for the human stomach that the milk of other animals as Cours, Goats. apres to \_\_\_ tout should buildness get no other food all the time of the nursing than the milk of the mother. Jurely they should for we find that all very spa: - rous animals soon take other food. Thus Calues Sambo'de soon eat goals. Since therefore

Therefore they should take a lettle food the next. question is What is the proper time to begin them; Some have thought that the fourth or fifth month is soon enough I some are not for giving it so soon, but sure am I that the soumer face accustom them to it the better & if the Chill should be seized early with some Disease which occasions a stoppage of the mose if it is notaccustomed to take meat before, it will Starce as it cannot such so I think they should be learned to take some other food in about a fortnight after Wirth but they should get little at first & gradually give them more & more The next questiones What sort of food should They get whether we getable or animal? I do not doubt but that the longer you can keep, a falls on regetable food that it is somuch The Wetter, except in some bases where they are Decordered that they require some ani mal food. das the human milk partakes more of the Animal nature their that of other animals thereby they'll require less animal food a may use more gregetables \*. Naw since it is determined that they should have it of vegetable food, whether should they have it of the Seguminous or farenaceous Fribe? \* Idonot think this conclusion just, for that argument shows that Children should have a little animal food as well as argetable. As the food intended for them by nature flartakes of them both.

The Liquiminous are more difficult of Digistion than the Farmaceu & therefore not so proper. The farma: d Mose that num with water is deficult of digestion Thus flour & water is bad of Degistion a therefore improper but if you and a little yeast to it a put it in a proper degree of heat it will ferment a Then dreed in the over becomes the hist good for butonen as it is exceedingly light; I you may judge of the lightness of food by its solubility in water as the more soluble at is it will degist the easier & Moread is very soluble in water There have been disputes about the farenacea, some are thought to be lighter & some hoter a more which run together after fermintation become lightest I those which are coarser are more Purgative of the first hind is fine flour & of the second is Loanse flour, Ouge, Dat & Warry Moread: Bres four. -galine quality in them depends on there more of the hush, which is the most purgative partof The farenceea; but as it is proper to keep the Welly of Sheld Therefore they should get theye, But Coarseflaur or barrly pread. Same have imagined that Out meal is hotter than any other because in those parts where it is great: = by used the people have often the Het as inthe Highlands, but it is not owing to this for the people there are not at the pound to free the themselves of it & Mereby communicate the fortagion

Contagion from one to another. The best food thin for Children is to boil toread among water twhen The water is almost evaporated to add some milk La little Jugar, or instead of Arriad you may Take out meal a boil it among water of then and milh & sugar, or when they are costive use Ale visteas of water & Mus is the best Panada for a young Child. It is not Common to heef Children on vegetable alement all the time they are on the Noreast but also to give some animal food but I have said that the longer you can keep them on a vegetable Diet the better; but it is sometimes necessary to give them some animal good of therefore I shall show which is the most proper. The lightest hind is the most proper, X animals are heavier according to the greater quantity of Bil & muelage they contain Lyan ravill that young animals contain a greater quantity of this than old animals dare there by heavier thus Neal is heavier Moin Beif, for of you boil a pound of tral & a pound of treat separately, the Boroth of the Neal will be strong. er & more gelaterous Man the wroth of the heef, a ef a person takes a hearty meal of beal some time after he is thersty fever ish ker. which does not happen after Beef a Merefore afound meat in general is header than the but his ides young meat contains more and

than Old meat & is Merely more improper as Chill - ren have a Disposition to have an aced on the Stomach. Tame animals have been thought tobe heavier than Wild, but the heavyness depends on The Deferent Genera, on the state of the linemal trelf as being fat, & it depends also on lookery. Howls are commonly the lightest & thereby the best, but should be given in the form of toroth .- for the stomuch of a build cannot degest proper. by the sold meat; Beef Tea or weath Deal Broth will answer extremely well a I think will do better than fowl broth as they contain less licid. Altho it is usual to give Brokes to Children, yet I Munh the Panada mentioned is sufficient food for a bhild on the Breastunlifs in a few bases. We shall now Consider the Changes that the good undergoes in the Stomack that we may better understand the Diseases that arises from the Diet. It is thought that the Change which mulh undergoes is Coagulation a this is taken from analogy as bow milk de is coagulated by Runnit. a this is found in all arimals but I have shown that the human milk is not in the least affected by Runnet d thereby does not been to be coaqueted in The Stomach; they thought that the use of The Congulation was that it gave time

501 to the Lackcals to take it up, but we see the Lackals can take up Liquids will do not coaquilate as well as those which congulate as torothe dep. All milk has a tendency to turn acid on the Stomach but the human mulk has not so great a tendency as that of other animals - hime the melh of other animals may disagree with a Child's stomach when human milk will not? The mulh of one woman may agree better with a Child Man that. of unother woman & it is a common Greevance when the Child is obliged to change the smerte two or three times a is thought to do the Chill harm leut ionless in particular bases there is no harm in changing the nurse two or three times for we find that they use much of different animals as bows the without doing them any harm & the onethe of one Woman es more of the same nature of another womans than of early other animals. The whole of The food of Children has a tendency to thee. Dity both Negetable & animal but more particularly the first: I proceed now to the Deseases arising from Diet. Sheld ren may be hunt by having too small a quantity of food I when the Buld is very postine you may have a strong suspicion that this is the ease, but you cannot becertain for some blomens melh is Costive but if along with the Costiveness of the ship

502 the Nurse's Breasts are neverful & the Chile not sailes fied when it comes from the tomeast you may be certain this is the case of when given, to another onurse it punges treely you can have no Doubt, Lyon know of Me Women has plinty of milh for then she is obliged to milh her Breasts for the first two or three weeks or get another Child as there is more mult secreted their what one bhild can such at that time, Sometimes a Child suchs too much, but it is not easy for them to do-This unless they are sichly. Children at first should such frequently & little at a time but when they grow older they may get it silson dat states times; every Child that is inder: - posed suches more than the stomach is ca-- publi of Digisting, they such this much in order to guench their thirst & this too quantity causes Vomiting & verying. Children are hable to a variety of bute Distempers which may be referred to the Jex following heads 1 To Mr milk disagneing with them & stimulating the stombach & Guts. 2 Teething. 3 The Common Spesimics going about 4 Water in the Head 5 Worms and 6 Galorrhus Sufficientions

503 The milk disagreeing with the Child & producing or Group. Voniting & Purging. This may happen in any time of the nursing; Nomiting & Purging is known when it happens from this Cause by the Colord smell of what is evacuated for heretit is always air & this is better delected by what I mentioned formerly out a freee of Paper moestines with some vegetable color, as there may be an acidity of what is evalu. ted & yet not known by its color or smell; & when This is the case they have seemingly bolic pains which is known by their constant enging and putting their Thighs up towards their Melly The Cure . This is done by Chaning the Fremo. via a correcting the acidity by giving the hurse animal food of the Blo & full grown hind a the Wald some broths of the same. Chilbren will bear Evacuations very well & therefore the cleaning The Prima Wie should be first done of the method I generally use is I depolire a grain of Fart. Emit. in 3 IV of water a I give two tea spoonfulls of it every quarter of an hour tell it operate or if the Child is very weak & Delicate go xxx or xx of the Inclure of Specieous will answer very well. you should give the Nurse such things as cor-= nect the alidity, but it is not so easy to affect the mult of women as that of other animals

504 I tried an Explora Cow I did not give here any meat for twenty four hours & then I gave her a mash of toran with some of the Rubia Timetorum among it in some hours after I found her milt tinges the with it; I then tried the Expron a Bitch (which is like the human today in that res: peet that it is not easy to affect her milk ) I gave her one owner of madder in the Day among his meat, which was more in proportion to boulk than I gave the Cow a continued this for sweet Days get the milk was not in the least affected by it, but I showed you before that by keeping a touteh on animal food the melh becomes more alkalescent a of an animal nature, so in like manner by heefing a woman on arima food her milk will become more alkalescent. It was practice to give the Child a little Spirits. This may give the Child for a little, for it will prevent it from going so soon to accounty for a little time but at last it will acquire as much acidity as it would have done altho the Spirit was not given - their if you put some of b.b. among milk at first it is alkalescent but by demaining some time in the heart of the human body the acid of the milk well over -come the alkali & will become as acho as if The Aft C.C. had not been put amongst it a this us the same way with opinits: but Spirits is of service

505 service on another account as the Child at this time has Cole pains of flatulency which will often be removed by it : so you can gue the Child a little weak punch or a tea spoonful of borandy, I have often tries to give Children Injections of Line water, but I never saw them of any Service. 2 Teething. When a Child is seeized with any acute Distemper about the second or their month you are sure that it is not Teething, but if the 5 m manth a the Child not cut any touth very foro: -bably it is not teething as the first are always easy; of about the 6 or of month & of there is an Itching of the mouth which is known by the-(Ild putting its Jingers or any hard substance in its mouth; has a constant flow of the Saliva I the Jums swelled then you are sure that it is owing to Dentition dis Gurio in the manner mentioned before. Vise 9.493 3 Common Gridemie Diseases going about. Children are sometimes severed with them and when you see a Child seized suddenly with fewer with a full Pulse, frequent startings a perhaps a veolent Cough I watery Eyes, if the measles are going about you have reason by the two last Symptoms to suspect the Chils to be sevied with the measles; without these two last symptoms & the Small Pox going, about you have reason to suspect them.

506 but if it has continued four or five Days without any Eruftion you may be sure that it is more 4 Water in the Heads. This often happins but The symptoms are so obscure that before we know this to be the Desease, it is so far gone on that we can be of no service. The Symptoms are as follows. The Eye is approp sed & the Chilo cannot support its head but hes on its shoulder, the pulse very quick & the hils has a vomiting, but what is thrown up is not acid & vomiting always attends this Disease in young Children. after these Symptoms have continued some time the Pulse from being grick now becomes slower Man the Standard, a bhilds pulse naturally is about 120 or 130 a enstead of this it will be 60 or 10 I the feverish heat continues altho' the pulse is slow, this shows that there is a compression on the Marain, & as there are some Deseases of bhildren where the Pulse is as slow as here but in them when this is the Case there is no feverish heat, so the feverish heat distin--quishes this Discasi from the others; the Chilo Sleeps a good deal & often awakes with start. engs & cryings, have flushings of the face cometimes dat others paleness of it dome: times they have a paleness in one breek & a flushing in the other; the pulse again

becomes quick & in the progress of the Disease the light which was before Disagreeable does not affect: them in the least son the application of a light near the Eye the people delates more, then they are severed with Convulsions & Die. There is a Disease which frequently attach Children vor 5 Horms which will produce most of the Symptoms mentioned in the Hydrocephalus The cheef deferences are the Progress of the Hydrocephalus continues about three Weeks but in Morms some months, in Worms the Pulse is sometimes slow but Then the shin is cool, whereas the feverion heat continues in The Hydrocephalus, in Warms there is a flush ing of the face & sometimes paleoness of the but have not a flushing in one theek apale: neform the other at the same time; In both there es a pectring of the nose, Nomiting & grinding of the Teeth of they have any. 6 patarrhus Suffocativus or Group. This is a violent bough which rough & er stridulous Inspiration & are like to be suf: focuted, this Disease will often carry of The Patient in 48 hours or three Days & they have very oftenvery Deceifful intervalls that if they are bad in the forenoon d when you see them in the afternoon they seem quite

by which it may catch cold a efet is difficult to stop you cannot well do it here as you cannot make a light Sigature, so the best part is the Legs or feet where you can easily stop of Sometimes by the Child hecking with its feet it is difficult to make them fasten, the only way to remedy this is to put a Leech in a stock. ing which you'll put on the Child's Sig & allow the Leech to faster on any part of the Legon. foot it pleases. The next thing to be done is to clean the Prema Wia, a you can aromit and Purge them which they bear very well; of the Child is Costine a blyster will ease them im mediately, it is better Man a Dose of Physic as its operation is quicker or what will an: swer still beller is a Suppository which can be made of Castele Joap & this will not fail to procure passage in their Billy immede: = ately - Samelines when the pain is so great that I makes them constantly ery & perhaps throw them into Convulsions Laudanumis the only remedy provided you do not over dose them & seven gutts of Laudanum will be suf: ficient; for an Over Dose of Landanum will throw them into Convulsions, a Moman in the Lying in Ward gaverher Child a table spoonful

5/0 of the Syrup of Doppies to prevent it from crying in a short time after it was severedwith Convulsions I ordered a plister to lesop. plied to its back & next morning I was sur: proved to find it perfectly well a thought that it was owing to the Blister, when I learned that it had got an over dose of Landanum Thenew it will have little effect, for as soon as the Opium Sored its effect the Convulsions would cease This finishes the Diseases of Children dalso the Course of Midwifery 00 Edenburgh 3 February 1772 Conclusion

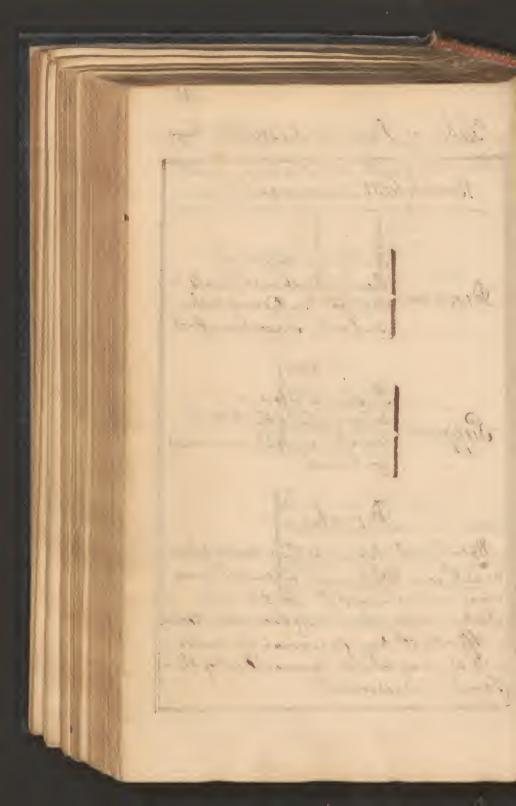
511 Conclusion, Before we part it will not be emproper to ofer you a few Directions with regard to your Juture Conduct. I mentioned at first that you should read no authors on midwefery tell you have had a Gourse except perhaps some Elementary Treatise. It is now time you should begin to read some of the principal luthors of I think I can recommend a Book to you that well sa: listy you on all the Diseases of Women and Children out the 4 vol. of New Sweetons -Commentary on Boerhauves apporisms -Nout for the practical part this is not oufe: cient, for which consult Dr Smellie Daventer Moriceau, La motte Geford de and your should note down where their opinions defer from the Dictates you have received. you should take every opportunity to note down the remarkable Cases that occur when you enter upon practice, for a Physician often gains much reputation from his Prog. - mostic & Me only way to make agoung ... Practitioner an Ob one is carefully to write down all the Gases that occur to him a not trust to memory, for you will be surprised

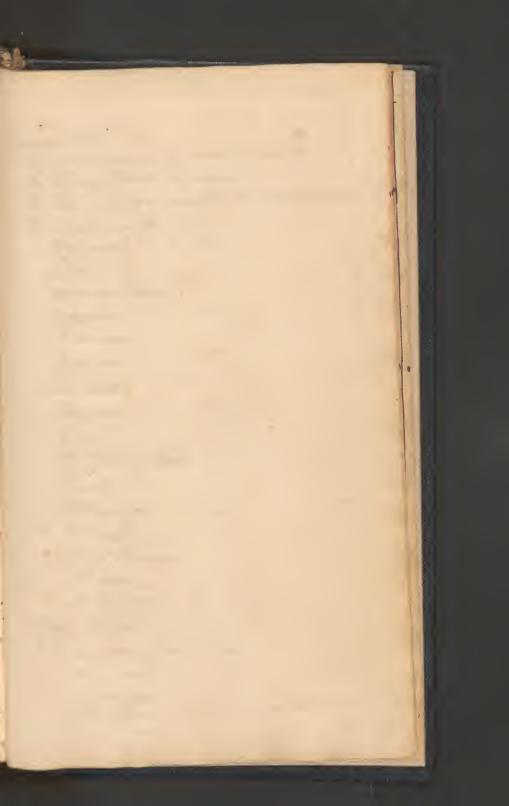
en how short a time a pase Mat street you very much at first well es capi you. In Midwefery Cases it is of great consequence to be well acquainted with the Laborious book I they give you the most trouble of any. Therefore you should note down the Woman Constitution, the nature of the pains but partiew. - larly the Delatation of the orifice of the womb. Aman that practises medwefery requires a greater degree of Composure & patience than any other operator. A Modest Mehaviour is new essary in every Country, but still more in those where mid ingery is just falling into the hunds of men. A Noman will often give you a full account of hir base by means of her nurse, mail ona Friend & there are many questions you should avoid putting to the woman herself directly. In a bommon Natural Lectiour be not in too great a hurry to examine a woman, not till she is put to Bed, where you lay her on her side with her back to you, darken the Courtains & take the opportunity for the first time when there are few assistants in the -Room. Pecrecy is absolutely necespary of therefore do not entertain one Woman with

5/3 with the Complaints & Oddities of another, for when she reflects she will inimedeately judge that when you leave her she well be served in the same way; I do not mean that you should never incourage a Woman by telling her a base similar to her own, who did will But above all avoid communicating to the other Sex cery secret you learn from the orature of your attendance, else be assured that it will meet you to your Disgrace. Timis

Table of Diet for an In-lyng Woman for Mufirst Live Days where nothing extraordinary happens Breakfast Seas Asohea Ginnamon Tousted horeach beef Tea Chucken broth a piece of Boiled Chicken Panada with a little white Wine or Simple Connamon Water Caudle with Ale or Wine Barbyd Gurrants wisome Wine or binnamon water Paneda wt wine or Germanwater Such whey & Toasled Bread

Table of Diet for the second 5 Days Breakfast the same as before Denner Such as the Season can afford. The same as before on an Egg dressed in the Shell or any of the regestables recommeded for hinner. Suppers Drink Water Gruel. Marly or Pice water plain, or with some White wine or simple lenna: : mon water amongst it. Toast a water, Chuken water, weak bosef Jea, weak Negus. After the 10th Day of a woman Precovers well she may take the Common Deet of the Femily in moderation







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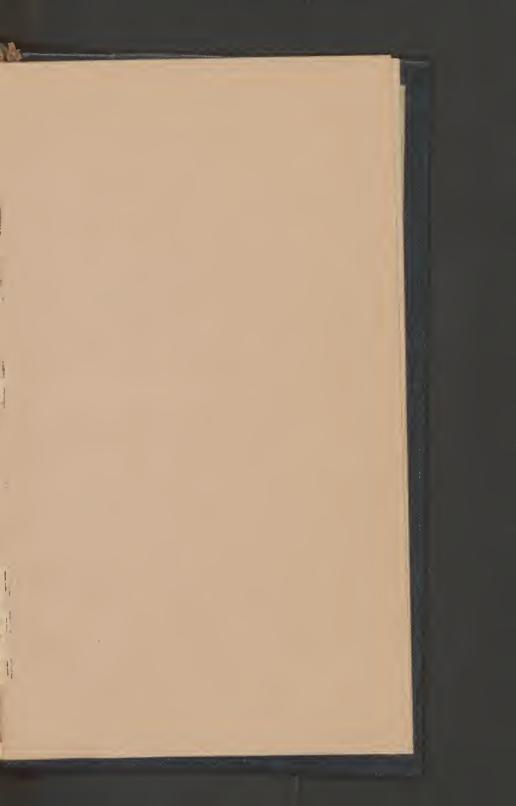
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